

SEQUENCE LISTING

<110> Horrigan, Stephen

<120> Cancer Gene Determination and Therapeutic Screening Using Signature Gene Sets

<130> 689290-73

<150> US/60/236,033

<151> 2000-09-28

<150> US/60/236,032

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<160> 583

<170> PatentIn version 3.0

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taaatagcag catcatcaga tctaagacaa cattggacct ggcagggcct tttctttggg 240

tggcattaat tactccagat tcagac 266

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aatgctttct gacaggcttt tgggttggaa atggacaggt aaatcactgt cacataacag 240

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 acagtctggg cctcaagaca taccacaggc caccaaaagt ttagggtgag cgtactgcac 300
 cctaaaatcc caattctct tctgctccca taccttttcc cagtcatggc ccttgtggat 360
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<210> 27
 <211> 454
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 27
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acctgcacat gcgccacacc cacacacata ctgaggggac tgacaggaca catgggacac 180
agaccgccc tgctgtgnc agagtctgt ccaaggcaat ggcgtaggct gcgctcagtt 240
catccgagtc cctccccagc tcaactgggtc aggccaaagg atgggagagg ctttgagtct 300
agaccttgta cagcgtctgc agcagactgt ggcgggcgaa ggagcaggat tccagggcgc 360
tgttgggctt ggtcacgaac gccagcagca ggggtgcaag ggccttgggg aaatagtcct 420
gctgcacat gtggttcagc gccatcaggg ggcc 454

<210> 28

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 28
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cacactggca aggcaactggc ggatntgggc aggccagttg gacatggata gatgagaatg 180
acaactcaca gatgtcctag cttctgctgg cccagctgcc ancactgnca tcaccctttt 240
gccagcatg tgtgcattgt caccctaaac atcttgaaac ttgccattag tgaggcattc 300
aacaagaag taagctaagt gaggtaggaa 329

<210> 29

<211> 427

<212> DNA

<213> Homo sapiens

<400> 29
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caggctgac ccgaactccc gacctcaggt gatccgcctg cctcagcctc tgggattata 180
ggcgtgcact tgcgccagc ctccagtttt cttttcttta gagcagcggg tttaaactct 240
tttggttca agttctctga aaatttacta tgctctccac aacaagagct cccattttcc 300
acagacacag tcaatgtcag tcagcttgta ttcaggagga cagggcagag ggatcccagt 360
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atcacca 427

<210> 30

<211> 426

<212> DNA

<213> Homo sapiens

<400> 30
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caccacagtg gctccgggtt attagttact gtgggctggt cttggtcaga ggcattctgca 180
gctggagtca cagctggact tgcagtggac gtggcagtggt ctggggaggc ctgggatggt 240
cttggagggg gatcgcttgc tgagacagac tggaaatact gcacagtcca ggcgatcaat 300
atggatagca gaaaggttcc cagaaagtag atcagggtct agtgcaggat agcaccacag 360
agaagccgca agtgcaggta aagccaggcc aaggagcagg ggctgaagga ctctctgtta 420
ctgtga 426

<210> 31

<211> 456

<212> DNA

<213> Homo sapiens

<400> 31
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aggatgaagcc cctccccaca catacactcc ggtggatgtg agcgagggtc ctgttgccac 180
atctgggggtc aggggcttgg acatgctgcc ctcatggga accttctggg tacctctcag 240
cacagtaacg cagctgcagt ctgtcgggtg gggcccaggc taggggcagc acctctttt 300
ggcatacggg acatgcctgg ctgcagctga tgtccgttag cctctcctga cacgcagtaa 360
ggagacctgg aagtgaggcg cgtgggcgtg gaggttcccg tggagcttgc tgcacagcc 420
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<210> 32

<211> 386

<212> DNA

<213> Homo sapiens

<400> 32
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ctgtgtgtgt ggggtgtggt ggggggtatc atttatagca tactgcaaat ataaactcaa 180
ttcttgagct atattaacaa cactgagcaa caatatttct ttctaaaatt ttcttttctt 240
taaggcagat ctgtttatta ctaacatggt gcagtgtagt tttagtaaatt ttactatttt 300
agttttctcag tgacaataac acagatggtc agaaaacagg caacaaaatc tcttttctag 360
ttcctctacc tggccaccat ttaaaa 386

<210> 33

<211> 240

<212> DNA

<213> Homo sapiens

<400> 33
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gtatacctgc tcacagcata aagtatttca tgacatactt gtaagagtca gtgttctatg 120
aattcactag agaagttaca gcattttgat tatgatacac gaaaagaaac ccaagtcatt 180
tagcttaact ccttaatttc ataaaccaga aaactaaaat ccaagataga ttgggtgact 240

<210> 34
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 34
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 ttctctgaca acagaagtcc tggaaaggct ctgcactcaa aacaaacccc tacaccaccc 240
 caagggaggg ggattgtttc aggttcgggg agacgctaaa agaaattgaa cctaaactct 300
 tcatcaggca tgtccagagt ggctttggct ctccatatag agcgaggcct gcagaccctt 360
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 ctgagag 427

<210> 35
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 35
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 tcatgggtttt aaaggacaga atttctctgga gaatgttggt cctctttagt gtgctactgc 180
 agcaaagtgt aaacaatcat acgtcagacc aaaatacaag tcagttcttc agttttcact 240
 aattaaaatt aactctgtct aaataaatca actcttacca ccttcaggat tcatatctca 300
 agtaagagac attcttactg accaataaca caaaatatcc caccctcagc actaggatcc 360
 tcagttttga attctttcaa ccatttttgt caaaagcctt gctgtagcca ggtgtggtgg 420
 cacattcctg taatctcagc tactcggggag gctgaggagg gcagatccat tgtccc 476

<210> 36
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 36
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 gctttgctgg cagaataatt gtctaaattc tagaatatgg gaaacagggt tttttctgga 180
 ttcattctttt tttttcattt tttttttttt acaaaaaaaaaa tttacaagtg aaatgttact 240
 acaaaacttt ttataaggaa tttttgcaaa acatttacat tttaccatca actatttctg 300
 ttttaaaatc attatgtaga ttttaataccc tatgctgcac atcaatttat gtgggatgac 360
 aacttagtga catgcataaa aaaacaccac aaggcattaa aatggagact taaatacaaa 420
 tattgttg 428

<210> 37
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 37
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 aaaatgattt gctattgaca agtctcaaata ctgtcatggg aactcaaaaa agttaccagt 120
 ctgttcaccg ttcattgtat tctataaaaat atttgataac agtcacccac tacagacatt 180
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<210> 38

<211> 421

<212> DNA

<213> Homo sapiens

<400> 38
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 cattaagtag tagtagaaat acggtgaggg cctgagactg gcttgggtgag cgaggaaagg 180
 ccgctggggc gttccactct gcaggccggg gctgaaataa cccgagttcc gttctcacag 240
 aaagggtgcg ctgccacctc ttgacacaga ggccggatgg gcagggtgtc tcgatggcca 300
 ggccgtatca gggtagaacc gcagcagtg caggggcttc ctcaaggaca aatggctaaa 360
 aatgtcacgg tgaatatgtc atccccaaag agttcgttct cctagacccc gtggggggcaa 420
 c 421

<210> 39

<211> 530

<212> DNA

<213> Homo sapiens

<400> 39
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 caacgcgcgc tgccttgcct cgtgcgcgc gccactgaca ccttcacat gccacactag 180
 cctgacttga agaggaggat tgcaacttga cccaagtaaa aatagatgaa gtgctttgtc 240
 tcgtgtgtga cgtagctgcc aaaatttcgg ccacgatac aatgccaggt agggttatat 300
 ttcttgtcaa attccttctt gatataggca gcaatgtcct tctctatatt gtacttctcc 360
 atggcctgcg tggcgcagtc aacggcatcc tgttgcattg cctcagacat gtctgcgttc 420
 ttgatcactg ccttcgggtc agacatggtg tgacactaca gaaggagcag agaggtaagg 480
 ctgacaactc cttgctctgg gcagtgaaca ttagctgctg ggtgtgggg 530

<210> 40

<211> 418

<212> DNA

<213> Homo sapiens

<400> 40
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 tctttatggg tatacatcat ataaaaataa atcattttca tactttttta aatggtggca 180
 ctgtaagtca caagaatgag ctactcagtc agtctcccta tttcaggaag cctttgcatg 240
 gaaggacaga gtctctgtga agttctctgg gaagtaaagg aggcgctgat agggactgaa 300
 ggctgcctta gctcagaaga gctcaaggca acagggcaat ttggggagag tcacaggcac 360
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<210> 41
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 41
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 gatcacccga gagtcagga cgtggcggcg aggggccctg gaaatctcca gataccaaag 120
 ctggaagggc gtggagtctt ctccagttct cctagtttac agatgttggtg acctaggctt 180
 acaatggggc tggggctctga aagcgggacg tgggctgcgg ggggtcaaaga gccggtttgg 240
 tggaggtcag cgccaca 257

<210> 42
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 42
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 cccgctcccc accctccca gctcctgct caccagaaac tggagtgaag gccaggggc 120
 aggaccaggg tcccataaag cttgcccttc cccaaccct tccttccttc aaagtggcaa 180
 ggtagaaaa aaattaacta tgttggttct cctggcact ggataaaggc cccactgcag 240
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 tagggggagg gtggaggtag gttatgggac agagaggaca agaagtgcc tgaacacctt 360
 ttccttttaa cctgacatat ttatatattt acagttatta gggagggag gacatctggg 420
 gtgacatcag ttctgcaaag gcagggaata aaagccaaat agcaccccca tctgggtcac 480
 attttcctgc ctctagctt ctaaacctt 510

<210> 43
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 43
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 atctctgggc catacagtca ggtggttcca aggaagaaag aaagcacaga gagaagaagc 120
 tgcgtaagga gtctgagatg gaccttcctg aacataagga gccgaggtgc agggatcccg 180
 accaggatgc caggagcaga gacaggggtg ccgaagtcca caccgctaag gagagtcttc 240
 gtggggagag ggacagagac agacagaggg agaggagaag agacgcaaaa gaccgggaga 300
 aagaaaagct gaaggagaga catcgagagg cagaaaagtc tcacagcaga ggaaaggaca 360
 gggagaaaaga aaaagacaga agggcccggg ag 392

<210> 44
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 44
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 aaaataagca aaagacatta ataaacattc ttccaaagag gatatacagg tggcaactag 120
 atacaagatg ttcaaagtgt caataccata aaataccaga aaaatgcaat aaaatcacag 180

acagatgcta	ttatacagct	attaaaacaa	ctaaaattaa	aaagactaac	cataccaagt	240
atggcaagaa	tgtagagaaa	taagaagggt	cacatactgt	tgatgagaat	gcaaattgga	300
cagttagggt	atagtctggc	cttgtcttta	aaagtgcgc	attcacgtac	actgtactac	360
tgaccagga	gaaataaagc	atttctgcat	atta			394

<210> 45
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 45	ttttgcagct	tccactcttt	atttccaaag	aatcagtgtc	acacatgcag	atcacaaagc	60
gggtctccct	gtgctgcttc	cttctgtgtt	ttctagtctc	tccccaggg	gctgcccagg		120
gccctcagga	actgagtgtg	ggcaagacac	tgctgggcca	gagggcacga	cgcccacgtg		180
ggcccgatt	gcccaggcca	tttggcagtg	cagagccccc	ccagcctcca	gcaggagccc		240
cctggcatga	gctctccctc	caggggtcct	gagcaacgtc	cctgccaggg	ctggtgggtg		300
gcagcggggg	ggcagacacc	tcgctgaggt	cctgcagcag				340

<210> 46
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 46	acaaagcagc	accttggttt	actgagggta	gaaaatagga	agtccgctcc	ctgcctcacc	60
cctcttaagc	atcaaagctc	agacgtcagc	gggacttgaa	gagtctcagc	ctgggcagtg		120
cagtcacaac	acctgggttt	ccagccgcgc	gagttccttg	accacaagat	caatgttaat		180
aattgggtta	aagtacaggg	cccagtaaaa	caaacagttg	caaacaaact	gagggatgag		240
gggccagaac	atggccacaa	aaagcccctg	cgttgatact	ttccagaaat	ggctccacat		300
cctctgaggc	acggtcttca	gttcacttct	cgaccagatt	ctccaaaagg	agaataattc		360
cagaactgag	agtaacatag	cattgatgat	gagaaaccgt	gatgtccagt	aatggacc		418

<210> 47
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 47	tttaaaaata	tcttaacacc	tttacttaga	tctcatctca	tacttgtagc	atttcttcaa	60
atttactttg	aaaaaagagc	ttcactgtgt	gtggttgta	tacacattct	tctacceaac		120
catggacctc	tttcttcctc	tcaggcgcac	ttcatctaat	tttttttagca	ctggcctggc		180
ctttttggag	gaggtggagt	agctcttcag	aaaggcttca	aacacagttt	cagtgttggg		240
atgggtactg	aggaaggcct	tctccaggac	atagaggtct	actcccttat	cctctggaag		300
tgctgaaatg	aaactcagcc	caaagtctat	gagcacaatg	ttcagctgtt	ccaggggggg		360
tttcaggagc	atgttgaggg	tggtgagatc	accatgaatg	aggtcttcat	cgtgcattcg		420
agccaaaacc	tgcccaattg	tcttggtctaa	ggt				453

<210> 48
 <211> 411
 <212> DNA
 <213> Homo sapiens

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<400> 48
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tatttccatt gcatattcca catctattta ttttactttt tatttattat cattattttt 120
cacaaaggta caaggaattt cagaaacaac attaaaacaa tcattcaaac tgtttcaggc 180
acggtttcaa ttaaaagcat agatttgatt tctgacttcc tgtttccttc tatgatacaa 240
tctcaagttt tgtttcagga agcacaatta ttgtagcggt aaggtggata cctgccaaag 300
ctcatctcct agtgctgtcc tcattctcag aaagtctctg agtcaacaga aaggggacgc 360
ccagggtatg gaataaggag atgagagcat gctctgccaa ctggctggga c 411

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<210> 49
<211> 269
<212> DNA
<213> Homo sapiens

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<400> 49
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ttccagttca aagttgcttg tgatcatagc cacgtgtgaa ccgttagaca agtgtatgct 120
atgccccaaa atgttttata attcttcagt gcagtttctt actgatgttt cccttaaaat 180
taaggcttaa tgaaagagaa atccatagta ttatgaactg attttcttta gcttctgaat 240
taagtgcact ctttccaaaa tcaagtgggt 269

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<210> 50
<211> 174
<212> DNA
<213> Homo sapiens

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<400> 50
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actcttccag gagcagtagc ccttctaaga aaggggtggg aagaaaacca gcctaccctt 120
caagctgact taggatgcaa tggtagagac accagccttg ggggaggggt ctcc 174

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<210> 51
<211> 296
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 51
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tgcagctcaa gccagctga gtgaggcaaa gnagcgatac cagcaggga atggaggngt 120
gacggaaaga accagactcc tctctgaggt tnnggaagaa ttagaaaagg taaaacaaga 180
aatggaagaa aagggcagca gcatgactga tgggtgctct ttggtgaaga ttaancnng 240
cttnncanaa ctgaagcaag aanctgtagn gatggacatt aganttggca ttgtgg 296

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<210> 52
<211> 409
<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 52
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ctttgagttg cctgatagac atccaagggg agcagtcagt ttctaagcaa aagactgcgc 120
ttttgtggac agtcctgtgg cagaggattg gaatttggga gccattggca tgtaggtggc 180
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gcaggaagcc atttatgact gaggaaggag accactgatg gccaggggag cngaaaccng 360
gggccatgta attgtcacca aaattaaggt agcatgcatn gggttttnt 409

<210> 53

<211> 332

<212> DNA

<213> Homo sapiens

<400> 53
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aaagagacta aagttgaaga atttcttttc atcaggccac ccaagtattg caaaccagaa 180
aaaaatttta atataaactg ttgcaatcct tacatcttta tgcaatttat ttggaaaagt 240
caaataattc cattacaaat atatttgtta aaaaccttat aaatttaact tataaattcc 300
aaattagtca attatattat ttcagagtct ga 332

<210> 54

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 54
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ccaggaatt tattattaat gaagtcataa aacagactta accaaaagtg tgtgctagga 180
aacaagcagt ttcacttcag agacttcatt gcaggaaccc agtttcctta tgtggaaaaa 240
agtgattata aataacagtt atctgaaagg tggttgagag gattaaatga gatcacctat 300
gcaaacaaat acatgtagggt atgaaagacc atccgtcctg ggggtngtgg aaagttaaag 360
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<210> 55

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 55
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agtattcaag ttctaatttt taagggtgctg tagagaaaca taaaagattt cactgtatcn 180
aaaaatatga ctgttttgat cttaagctat acattttatt tttatctaac tgattaagac 240
ctggcctctt aatgaggcac atttttgggc a 271

<210> 56

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 56
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attcaagttg ttagttgaaa gaattagaca ccagtgtttt ggtatatctaa cttttattaa 120
tgttggttat cacgggttaat taatttaaaa ttgtggttta ttaatatatt aagttactct 180
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gacctgggca agtcatttta cctctaagag cctcaaattt cctcatctat aaagtggaaa 300
tataaataca aagcttgcag aaatgtcagg aaaataaata aattaaatgc caaatagtca 360
atgaggggata ttagggcaag gccagttttg gtggggcatt taacctatgg agactcagtg 420
cctctgtgtg tccattatc acctccaaga catcttgcca acaccaccgc tg 472

<210> 57

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 57
gactttgttt aacctataac cttttttcct cccacatagt aggtagtaac atcacacgga 60
aacagtgtct tgaagacatt ctggacacat cgtatacagc acagccattc aaatcaacgg 120
caacagaacg cacgaagaac ctgggtttct ttc aaagcat gagcagttct cattttacaa 180
catgtgtttt aacataattc agaaagtgc atctttgcat gacaaccaga taattctcaa 240
aggttactag tgagctgata aaattaacgt ttggcaaggga ggtcatggtt tacaggtagg 300
ctgtccgctc accaatgtct agaaaaattc agcagaacat acttttcata tttagatccg 360
aagagaggtg agagacattc tactcaaagt catgggctgg gctttctgtc ctccaaacga 420
aattgggcag gncatttgcg tggtttctc tgggataaag tcccccttat ttaatcantg 480
gtgcaaaaaa tctnngcat t 501

<210> 58
 <211> 430
 <212> DNA
 <213> Homo sapiens

<400> 58
 ttaagggttct tatccagctc ttttatttca cagatgggaa aataaggcac tgtccaagta 60
 acacacagtg acagtggcaa agtcgtgctt gcttcccagg tccctgacct cagacaaggg 120
 tgttctctcc cattaaatgc ttttttctcc tcatcttgct ccatttttct atcttgaggc 180
 aagagattaa caatctaaat tccaatccta gttctgacac tgaccaatga aataaacatt 240
 taggctgggt gtgggtggctc acacctgtaa tcccatcaag gcaggaggat cacttgaggc 300
 caggagtcca acactagtgt gggctacaaa gcaagacccc cgtctctaca gaaaattttg 360
 ggtgctgtgt acctatagtc ccagctactc tgtaggcgga agtgggagga tcgtttgagc 420
 ccaggagttg 430

<210> 59
 <211> 545
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 59
 cagttcagca aatgtttatt gggcacctac aataggcaag gcacagtacc agctgctgtg 60
 ggttacaaag acaagaaggc taggctcacc ctcgagaggc ttacagtcta atagagagag 120
 acacactcac aggttaacaaa aatacaaggc aaaatgaggt gagctctatg gcagaggcaa 180
 aaacaacggg agaacagcga gcagagatag atcagacata tctcagcaga tcagatgttg 240
 gatgcaggga gtgacgtttc agccaggctc tgggaggtgg gtcggattcg cacagggtgaa 300
 ctggaaaaaa gaggacacta aggcacaggc aaggtataga ggtgggaaag tgcaatgaat 360
 gttcagagaa cagagatgcc tgccttgacc aatacatagg aggccaacag gataacagag 420
 ggacctaagc tggggaagtg gtttcaggcc agatgggtgtg atcgctcgta gtaggatttc 480
 ntctcttctc tcttctcttc ctttttttcc aatgaaacaa gccttgatct acccccaggc 540
 tggag 545

<210> 60
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 60
 aactttactc ataaaatttt atttgaacaa aacaattttt gaaaatataa aaatttcata 60
 agaactgctt tcctgttaga tacaaaattt attttaaaaa taaataatta tattgacctt 120
 taccatcact tgtctaaatt ttactcatgt ttattgtcga agacacagag gtgaattaga 180
 agagtatatc attatacatt gtcaaataaa gcgaaggttt ccttatccaa atagagagaa 240
 tatatatgtg attacttaat ataaagcaaa agctattttc accaaagaac agacatgcag 300
 ttattg 306

<210> 61

<211> 164
 <212> DNA
 <213> Homo sapiens

<400> 61
 gcattat tttt aagatcttta ttattaagta actcactggg gttgtcaaag tatgttataa 60
 aattacacag ataattagag atatatgtta catagaaatg ctgattttac actctcttct 120
 gagtacaagc atttgattac agaggctcat agcacaacaa aatg 164

<210> 62
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 62
 taatttgtat aatttattag aagcttctta ggaactatat ttaagccaaa tatctacata 60
 agttacaaca gaaaaagact gacgccgcaa ataccaaact gccaaataat atacacagat 120
 ttgtcaatgc ccataaaaaa tgtgaagggc tggggactgg gagtggtttt tctttttaca 180
 acaaaatgta cagattacta aaaactaggc atttagtcca acttttgaca gcgttttaca 240
 gctacaagtt cacattaaac aaactatttc gcggaggggcg gtcgcgctga gcctaggcgg 300
 ccagaggggtg cggggaaggg gcacttcctt tgtgtcagtg acaagtgggt tatgttgaag 360
 actctttcct ctccccagct cccggcctcc cttcaaaaaa aaaaaaaaaa 410

<210> 63
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 63
 cacggctcct gttttattgc cttcgggtgt ccggagcacc tgactgcccc ggggtctaata 60
 aatttaaggt gccgagaaca ggtcaggaca aggggtcgca aaanaggggc tgggggcagn 120
 tggttacaaa atatacccc accccacaac aaacaggcta gaggagacca gcctggctgt 180
 gtcggggangg ggcgggcaga gggcgcccga ccagccttca gagagacaga gccacggcca 240
 gcgccccaga gggagtggcg gagacaggac 270

<210> 64
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 64
 tttttttttt tttttttttt tttttttggg tggggagtac ggantttatt ttattgttct 60
 gcgtctgggt ttggttcctt ggacgtcacg gttcctggat ggggggtgggt ggggtcccact 120

ccctaagtca tgggtcccacg ggcctnttgg gatttttttc caggttcaaa gtgcactgag 180
aaagcttcac agttttaata cttcctagat gctcaactga ggcaaagtga caaaatggcc 240
ctccaccccc cgcccgccac aaaantaaaa tccaagccc ctggnagctg ctgctcagcc 300
cttatgaaaa aataatacaa ac 322

<210> 65
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 65
accacgggac nttttttaag tttattctag ggtgagtggg tgcccaaggg gggcagttga 60
gtatggccga ggtcacctgg tggcaggggtg ctgagggatg gccacagggt ctatagggcc 120
ctgcagctgn aantctctag tcagttggga tgcttcacct tctgccccac cccaaggggt 180
ttgggcaatn catggatgta gtagttttcg taattcgcag ggatcagtga tgggcactga 240
gcaggcttga ttctcacaca catatgcagt ggctgggtc ttccaaccgt cggaggggtac 300
tcaggaaagg cancttgccg gacaagaagc 330

<210> 66
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 66
tttttttttt gcagtttaaa acttatacat tgttttatttc tggtaatttt ctgtttaata 60
ttttgggacc tcagttgacc atgagtaaca caaaccacag aatgcgaaac agtggataag 120
agagggacta ctgtacatac tttcgccctaa gacagttctg tatattcttc tgttaacggg 180
gtagcaaaag catatagaaa ggtttttgggg ggatgcagtg cattgctctt ctgtaatgac 240
agtaatttac ttcaagacat tgcaggagaa ggggttaaa gagtaaagg gaggaagaga 300
aggattcatt tcatgcctac ctgtacagag acactttctt gctttctact tttttttttt 360
tttttttttt tgagnccgat tctcactctg tgcccgggct gggagtgcag tggccanttc 420
tcgt 424

<210> 67
<211> 356
<212> DNA
<213> Homo sapiens

<400> 67
tttttttttt ttttttttag ctcagccagt tagttgtttt attttgagtt ttgttttttt 60
aaaaaaagaa aagctttgag aaaatgtatt aaatatcagt aaagggcagg aacacacatg 120
gctagcttta caatagcaat ctaaaccatac acaaaggcaa acattgagta aaatgctagg 180
gaaagacggc actttggggg cctactgcag ttttccttat tgcacataaa ggttggtggat 240

aacgccaaagt ctttaatttt tcacagttat actttaatgt cattttatat aacgtttatt 300
tatataacat actataatgt taattttata aaaccaccag ttgctactg ttgaat 356

<210> 68
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 68
gtttttcaac gttttatttc aagcattaaa aaaaaagaaa aaatcaatta ctttcaatag 60
aacagaaaat ctgaaaaatt aaataaggct aggcattgga gcagatggaa aggatttact 120
atcctgtatg attttaatga caatgncct gccaaataat atcaccccggt gggtaagggt 180
ggtacacagg aaggcagaag ttgaaattag ttggaaggct acattgtttt tttcccaatt 240
tacattgctt aaggatcagc aacgggaagg aacatcaatg ccccc 285

<210> 69
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 69
atttttaaagt tttattatga aaacacatgg aattaacggt gttatccatg tatttgcaac 60
agcagagaaa gagtgagagt ggaccatccc cataggggac acttatcctt tggctaaact 120
aatataaata atggaaataa cacctaatac aataatacag cacataaaaag agattacatt 180
aagagangag acaggaactg cggagaggag tcttgagtat ggnggagatg cggctcatgg 240
agaagcatcc aggtca 257

<210> 70
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 70
ttnacagtta acatttatta aaacatgtca taaaaagggt catgatctct tctataagaa 60
gaaaatatta aacattaaca ttcaattaag taaaaccatg ctgtacactg aagacagcaa 120
tatataaag 129

<210> 71

<211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 71
 tataacttaa aatcgtttat tttaaaggaa actttaaata accaatggaa atgaaaaacc 60
 agccccactt gccatgaaca gcccgaactg ttcggtattc attcgggcag gcgggggtcca 120
 caagaggctc tcttggttta aaggaggccc agcttggncn ngatcagggtg ttaaggacac 180
 gtgagcacca aattgagcct ttctcagtga tgagggtcaaa aaatgaaagc gcgcaggaag 240
 ggttctcccc aggggaattc tgggggtgtcc caangtcac cggggccccg cacgcttcgg 300
 gccatgctgt tctggtctcc agccctcatg gccgtggcaa ttggacagcg tcaacttctt 360
 cactcagtgt gttcgcaccc tgaccttgag gtnggggtga gggggacatt ga 412

<210> 72
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 72
 ttgtcaaga gccaaagacac aggtaatgca cgacattgat tgctgcattt taccttcaaa 60
 atatttgtcc ttattgactg ggtctcctta attaatgtac acatgtcatt agaatgcaga 120
 cggagggggac tcaccatgaa tatctggggt tgattcccag atgtgtgttg cttctctatt 180
 gcaagcagat tcccttgtcc ggattttactt c 211

<210> 73
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 73
 cctggttctg aaaactcatt tattcaacaa agcagtacaa gcctccccctt caatcaggac 60
 ctgcctgcag ggtcgggcta cttcagtgtc ttcagccaat gggagctaga gggtttaata 120
 ctttagtcca cttcccttca tctctggccc catcgacaac atggggaagg ggagtggagg 180
 cctggtagaa ggggtactaag gccccttatt tcgttcgctg gtagaactgg aagactgctt 240
 tctcctg 247

<210> 74
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 74
 aaatataagt aacagtttat taattttttt ttttacagtg agatatggct atgggaagca 60
 ggtgatacta ttgttttaag aaactgggat gccactaac acgtggagtt cccaagact 120
 ttgcaatctc catttgtgag tttctgtaaa aaagggaacc cagctagagg attcacagag 180
 accttgaatg acaagcgaca tactcgaaat ctgcagctct cctcccggag cccagcgtgc 240
 caggagacac gctgcagtaa ggcacttacc aagctccttt ggatagaggg aaagaagaaa 300

tcaatccagg	caacatgcaa	gtttcagtga	agtcagacat	tttatgggaa	tttaaagtct	360
tgctgtttct	cagtgcaccc	cagtcagtta	ctgacatgtc	agcctcagaa	accg	414

<210> 75
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 75						
aatgtacacc	agaagtcaat	atttaataac	agtaagaatt	ttttttgtta	cccttaagtg	60
taagttccct	tccctctaca	taacttaagt	taattttgga	gctaagcgaa	cttggtcacc	120
cactaataag	gggcaagcca	ggaccctacg	gagcacagag	ccaagctctc	aacaacacct	180
ggtaactctg	tgctattcct	agaatcactg	ctgggtgccc	cgcaccatga	ccagggaatg	240
ggacatccac	agtcctcaac	attcttccaa	atcccagggc	agcaggggaag	ccatcccaat	300
cccaaccttt	tccatctgct	tctccagggg	gtccaggggg	taggcccggg	acagcagctg	360
cttcaggcgg	cccagctccc	gctccttctc	ctcac			395

<210> 76
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 76						
tggaaatcag	aggtgaatat	ttattttaatt	catatataaa	ttttacataa	tattcatggg	60
gctataaata	taggcacatt	ttttaaaagt	ccagatacat	ccaaaaatta	ccccctcact	120
gtagcctact	ccaatccctt	caagacggaa	tatctaacag	tgtttgga	acagggtcca	180
gaaaggccct	gccattaat	tttaaaactt	tctgaccatc	aagaccattc	tttctgctt	240
caaccaagca	gagtcaacaa	ggatcatgtg	ttttcagggg	tttaattgca	ctagttgatg	300
aattaagtaa	atgcctctgc	ctgggtagtt	tgtaataggt	ttatgggttt	ggtttctcct	360
acttagttca	agtcagagaa	agaaaaacca	atatctatat	tcctattggc	cttctttaaa	420
tcctatgag	atggcttaaa	aggatgtcac	tgcaccagag	gactcacttg		470

<210> 77
 <211> 553
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 77						
agaactgnan	nttttattca	nacatttinct	ttgattnaaa	tacattacgt	acanngtcta	60
cattggatta	gaagaatgac	acagggggca	gcaacactct	cgcacccag	cctccantcc	120
ctgacnctgn	gangcagggc	cgatcgggtg	gnannggnnn	ngtngttcca	tgagttcgnn	180
tcagaancct	agncccggca	ttctggggcc	ctggctcttc	cagagtccac	attcaaggca	240
acctgagcac	aggcttgagg	gagagtggag	aaaggccagg	aaaggatgcc	cacactcttg	300
cctgccaggc	ccaggaccag	ctctctccta	cactnggacc	caatttcctt	ctggatcaca	360
gagctgggtct	ggatcaagac	aatgtggaga	tctgggtgtg	aggctgtggc	aggtgangca	420
gccgggctcc	ctgggttagac	ccccaggctc	tctttagcac	nagatgggca	ctttaccaac	480
aggtttgggt	aaaaatgtct	acngagagct	atgcacaacc	tgggtncctt	tctgggctcc	540

taaaagtcaa ggg

553

<210> 78
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 78
agtattttca taatttatat tgcttaaaat tatgatttgc atgctaagat gcaaacttac 60
gtgatatctt ctttagacat aatgctatta agagcacatg ctttataaaa taaaactggg 120
ctcattcata tcaggtgcag aaagccagtc ctgaaagcat agactatccc ttattctggc 180
tgttattaag gaaaaaattc atttaaaaaa tacagtaaag attgaaacca agtttactgt 240
ttcttgaaca gaataggaag aaaatatattt aaatggctga gctgggcatt agactattac 300
tcatttatct taaaggcaga aacttgtcaa cccaactacg tgaaacagag aagcatgatt 360
tgcttaagca ggcgacatta gagttaggcc tctccacngg gagcttcccc gaccgtcagc 420
acgtggcaga cagggatgcg gcccatcatt ccgcagggaa gaaccggccg ggccgg 476

<210> 79
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 79
tagaagaaaa gagaagttac tttattacaa tttgttatct catccccagg tcagggcccc 60
ttgcttagtg ggaaaaaaaa cccttttagga ctgagtctcg gaacagcacc tgtcctaaac 120
ccaacttctc tgtgatgccc ggatttcttg attttgatcc agtagctgct cattttcctg 180
ccttttacat ttaggagatt caagctctgt catttctctt agctgcccct gaagtccgtc 240
cttcctgcag ggcccaactc cacgtagagt gagtgcagcc acacagcagt aaccagatag 300
agcagcctcc cctgcagaca tgagcaaaga agggatccag agagccaagg ctgtatcata 360
gattcttgtg gggtaaagg ggcagtcagt atgtcccgcc ccctcatcca gtggtaccag 420
aggatccagc agtcctgggg tggcagtcag caataaggcg gcggccaccg ttgggccaca 480
gtgagtgaca cagcaagaag gagggcccagg gagcaggcna cggacaagag caggntcacc 540
agagctagtg ccagcaggac cc 562

<210> 80
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 80
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aatataatca ctccactggg tacctaggcc tagacgtaca aaaggacacc catatctcat      120
caggagaaaag acaattttga gtttctgggt gtagtaccaa gtggttatga tcaccacgta      180
cgtgggtctat ccagttaact gtgtgggcaat ttgctatttc aagtcctctc ataacagaaa      240
ttactgaaat atgtggaaca ccagtcaata taaagaattc atttttaaac agactagtga      300
atttgtgtca taaacacact tgcgtatgga tattaggaga gcattgcttg aatatctcta      360
aaactatttt taggaattaa aagctttcat agttaatggg atgatattgg ctttcagaat      420
tcatattgat aaaagcaaac cttagtcatt taacaggaat gtttaaattt tagagattct      480
aacatgcgat gccgaaaaat cctaacattt ccacttagta atgtcagggt tgtgccagtt      540
ctaatttccc atagctagta acatcagaaa atatntatca      580

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<210> 81
<211> 268
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 81
catctaattg ctggttattt ttacagatgc caagtttaca aaacatacaa gtgcacagac      60
aggtgtggga ggtagctcga aatatacaga gtgttcgcaa cactagagac gtcttctggc      120
cgccatcagg ggactcggag gtagggtagg cttggtgagg cccgtgnttc gtgtccgtgg      180
cacagcctcc tgcaaagggg ctgccctgct cccctgttca catggtgcca ggccgtgctc      240
cccaggtgcc tccgggggtg ctgaagaa      268

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<210> 82
<211> 567
<212> DNA
<213> Homo sapiens

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<400> 82
tgtatgttga gagtctcttt aatttttaga gtaaatatga cacaatggat agcttttagaa      60
caagctaaca ttactacagt tcaagcatgt gcaactggta cagttcagta gtacataaac      120
gactcaaaca aatgtacgac aggtcagaaa cttaagttac aaaatagagt caatattaca      180
attaacacag agaagtaaaa accattgctc tcagattctg cacacttaaa aaaacataaa      240
ctttatacag tcattgaaat tacgcatttc tactcagatt attagagcat attacaaaca      300
cacagaagcc taaacagtta tggtcacatt ttgggtttgt tccagtgggtg cagcatcaca      360
tgaaatgtta catccgtttt gtgtgaaata aacatttggc tgaagtgcaa tagctgctgc      420
attaaaaata tttccataaa aatgcttaga ttaaaatctt cctgaacatt agggttctaa      480
tgttcaggat tatttttaaga gtccttatga agagtcctta aaattataga aatagatgta      540
gttaggaatt tcagtgtgtt tgctgtt      567

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<210> 83
<211> 433
<212> DNA
<213> Homo sapiens

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<400> 83
tcttactagt gctgatttat tacaaaggat atttttaaagg acacaaatga tgaagccagt 60
tgaagagata cacaggggtga ggtttggaag ggtccttggtg gagttgggggt gcaccactct 120
cctggaacat ggatgtgttc gccaacccgg aagctctcca agtcctgtct ttcaaggagt 180
tttctggagg ctttatcacg taggcatgat tgagctccag ctctactccc cacgccagag 240
gatggggaat ggggctgaca gcacaacgct tccaaccata ggtctttttg gtgaccagtc 300
cccaaataag gagccacca agagtcacct catgagaaca aaggacgctt ctatcaccca 360
gaaaattcca agggatttag gagctctgtg tcaggaacca ggtttaagga ccaaagtta 420
gaacaaaaga tgt 433

<210> 84

<211> 394

<212> DNA

<213> Homo sapiens

<400> 84
cggagagaca aaacaagaac tagagtttta atgataataa aagcaataat aataaaagca 60
ataacaataa aaacaagatc agactctcac tggggtaggc aagggactga ggaggtgaaa 120
caaccgctat ggtgtccag cacggcacct gctaaggagg gaggggtgga aagcccaggc 180
cttcgttgcg ggtacaggag gatgcaggag agggctgagg tgggggagga acaactggtg 240
tactgggaga gagatttggg acgaggggga accatcagca aaaaatgaag ccaggaatca 300
cagtaagggc gcaagggctg aggccagttg tttccataaa gaagactcaa tcattacaaa 360
aataattttt agtagttaaa aaacacacat aggg 394

<210> 85

<211> 527

<212> DNA

<213> Homo sapiens

<400> 85
tttttgtagg gatggggttt cactgtgttg cccaggetgg tcttgaactc ctggacacaa 60
gcaattctcc tactttggcc ttccgagggtg ctgggattac aggtgtgagc accatgctcg 120
acctaaatgt tcacttttaa tcagggccta tagccttgaa ttctatagta atgtggttca 180
ctaagtcctc cctaatagat attttcacac tttctaaatg gaggtaggac tgagggactg 240
tactaaatag cagacaagca agaagagcag ctttccccta ccaatacctc cagcaacagt 300
ccctagtaac aacagtagta acaggttttt gttttgttgt tgttttttaa gagaggcagc 360
agtgtgttca taatccta atgaagaaaaat ggattgggtt gcaggggaact gaggcagtag 420
acaaagcaag aggcagggat taaagaaatc cacagggtt tctgctttaa tccaacaaaa 480
tcacaggaaa attactcaat tatgaatttg gagtcaggga tctctgc 527

<210> 86

<211> 139

<212> DNA

<213> Homo sapiens

<400> 86
tttgtgttat ctctctttat tgttctgcag cctctttaaa aactttgcc aagatcatt 60
tccacaataa aatacatttc ttccataaag ccatgtgttt atttagtcaa ctattgtttg 120
tgaggacagc tttgctgta 139

<210> 87
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 87
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 agcgctgggg tcagtcggga gcatgccagc aaggctgacc ctcaagtttca ctgaggccgg 240
 agtcataagc agcactttta agatccctgg gtaatttggga tgcattttga gatgtgagcc 300
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<210> 88
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 88
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 atgttaagtc taagaagtc tgttactcaa agaaatattt tcaaataatta ttagataatt 180
 cacttgtcga tcatcctttt tcagcatcta aagaaatttc agacacaaaa tatgcaactg 240
 catttagaat aaacagatgg aaaagctatt gtagaaaaaa atatagggtt ttagaaaagt 300
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<210> 89
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 89
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<210> 90
 <211> 524
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 90
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ttctgcctgt	gaagagagct	tttttgcatg	ttgaacanct	ggnagcagga	ggttgaattg	480
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<210> 91
 <211> 488
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 91						
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<210> 92
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 92						
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caaaaagggt	aaaaagtcca	ttttgttaac	tcttggtttg	cttgatattc	atgaatattt	180
tagctcttca	tgagtcctgt	acatttttcc	tttattccaa	tgtcataatc	tccaaagtta	240
tcagaaactt	gcatttgaga	gcatgtgtca	aagtcctata	gctgattata	aaccatcctt	300
taaagaggat	taaaacaaga	ccgatttttg	aatggtgaaa	tgtccaaggt	agtttagtcaa	360
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<210> 93
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>
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<223> n=a,t,g or c

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<210> 94

<211> 1201

<212> DNA

<213> Homo sapiens

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<210> 95

<211> 760

<212> DNA

<213> Homo sapiens

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<210> 96

<211> 1866

<212> DNA

<213> Homo sapiens

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1866

<210> 97

<211> 1488

<212> DNA

<213> Homo sapiens

<400> 97
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<211> 10476

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 512
<212> DNA
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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 115

<211> 2116

<212> DNA

<213> Homo sapiens

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<210> 116

<211> 3233

<212> DNA

<213> Homo sapiens

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<211> 1195

<212> DNA

<213> Homo sapiens

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<210> 118

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<211> 2754

<212> DNA

<213> Homo sapiens

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<211> 922

<212> DNA

<213> Homo sapiens

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tttgagaatg	tgggcttcac	caaggacgtg	ggcaacatca	agtttctggt	ctgcgcagac	300
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tctgtgtgct	aatataaata	ctgagtacca	gcattgtccat	ttgaacatgc	aaaggggttaa	540
tectgcttcc	taaagcctca	agtacatgcc	tctgtcttag	ttcactttgt	atcacatttc	600
ctaagctccc	ttttccccca	gttttgaggc	actgtgctta	cctccaaaaa	tctcatctct	660
tccttggcat	tctccctagg	ctctgttttg	cccagggtc	ccgttttttc	ttgtcttaga	720
ggagcagtat	tcaacctttt	agctatgatg	acacataaca	aaagatgttt	atgtactaat	780
agttgaaatc	tgcctttttc	tcattcaaga	aggcatacaa	atatctgaga	gtgactttgt	840
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aacaaaaaaaa	aaaaaaaaaa	gg				922

<210> 122
 <211> 1234
 <212> DNA
 <213> Homo sapiens

<400> 122
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 tggccaacgc cctggccagc gccacttgcg agcgctgcaa gggcggttt gcgcccgtg 180
 agaagatcgt gaacagtaat ggggagctgt accatgagca gtgtttcgtg tgcgctcagt 240
 gcttccagca gttccagaa ggactcttct atgagtttga aggaagaaag tactgtgaac 300
 atgactttca gatgctcttt gccccttgct gtcacagtg tggatgaattc atcattggcc 360
 gagttatcaa agccatgaat aacagctggc atccggagt cttccgctgt gacctctgcc 420
 aggaagttct ggcagatata ggggtttgtc agaatgctgg gagacacctg tgcgcccct 480
 gtcataatcg tgagaaagcc agaggccttg ggaaatacat ctgccagaaa tgccatgcta 540
 tcatcgatga gcagcctctg atattcaaga acgacccta ccatccagac catttcaact 600
 gcgccaactg cgggaaggag ctgactgccc atgcacggga gctgaaaggg gagctatact 660
 gcctcccatg ccatgataaa atgggggtcc ccatctgtgg tgcttgccga cggcccatcg 720
 aagggcgct ggtgaacgct atgggcaagc agtggcatgt ggagcatttt gtttgtgcc 780
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 gtgatgtggt ctctgctctt aataaggcct ggtgctgtaa ctgctttgcc tgttctacct 960
 gcaacactaa attaacactc aagaataagt ttgtggagtt tgacatgaag ccagtctgta 1020
 agaagtgcta tgagatttcc attggagctg aagaaaagac ttaagaaact agctgagacc 1080
 ttaggaagga aataagttcc tttatttttt cttttctatg caagataaga gattaccaac 1140
 attacttgtc ttgatctacc catattttaa gctatatctc aaagcagttg agagaagagg 1200
 acctatatga atgggtttat gtcatttttt taaa 1234

<210> 123
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 123
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 tattgacata tgatatcaca tccacaaatg tttgcctatt tttgtagcat tatttttggtt 120
 gcaaagtctc ttaggggaatg cacaaaaata atacaacctt aaaaatcaga ctagaagatg 180
 gaatataagt ggtttccttg taattttttt ttaagcttgg agaggtaata acacatcttt 240
 gaattcaaac tgaggactgc tgcttaatgg tgcttttaca ggggtggttct aaaatttttg 300
 agagtcaggt attgctttct ctgactgttt aattcaccac tggcacgtgt ttcctatcct 360
 caagcataag tttaaaagat tacaacctc atgctgctca gttttttctn tccagtaaat 420
 cagatgcatg gtttctctag atttag 446

<210> 124
 <211> 644

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 124
tggagaatt gattttaacc ttttctatgc aaacacaatc tgaaaagtta tgtgctgcat 60
attgtgctca aaatgtttta tactctccac aagctgcaat taagagattc attcctattt 120
ttaaaattta gatccacatg ggtagagaa aaatactctc aaaagtgagt tcttagagaa 180
tattatccct ttgcctcaca gagattttta cctgcattta agagtaagtg ttaggttgag 240
gcatatgata ttgtcgcttt tgcagatcag caatggttga aactggcaa tttcaatatg 300
gttcaacctt gcacatgact caagtgtaaa anaaggagaa accttcaagt attccttatt 360
tcttccaata gggggtacac tttttttggt acagtggaga tccaacccaa agtacgcaag 420
cctcttctct cccctgatgg tgggtagcta caggcagtta cantcccttg gctgcctgtg 480
agaagcctac antttggcat tttcctccn aaaattacca cggtnacca agtgaacatt 540
nccagnatat ngacctgggt aatggggggg aagggggagt tgagcaacng gtggaaatat 600
tttacnggga tttccaacat anggcagcct ttaagggaat tttta 644

<210> 125
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 125
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ccagcacctg tgtacgtaca gtacaccttg cagccgaatg caaggttact tcatcctatg 120
gtaaaggtcg cccccagccc ggtagccaga gatgccactc tttctgcca gctaaccacca 180
ttgtgcgctt gtgtgcgagt ggtgccagca taacctcaat cacaccaata ttgctgccac 240
cactgcttta ctggctccga ctgaacacag catagaagag tcaggagaga atgcacagct 300
gtacacccaa ttctgatgcc cctcaatac tttcatcatg tttccatcat ctttcaggctc 360
ccatactctg agagttttgt ctcttgaagc tgacaccagg atcaagttcc atctggagca 420
aaagttaaatt tctgaccact tcagtatgat taccaagtta aggaggagtt tctgtatatc 480
atcccatatt ttgatcgcca ttgttcaacc tgtancaaga gta 523

<210> 126
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 126

ttnnncggga	gnaacacaac	aagccgagtc	cgccgcccct	gcacaacaac	aacaacaact	60
gcgaggaaaa	tgagcagtct	ctgcccccg	cgcccgccct	caacagttcc	tgggtggaac	120
tacccatgaa	cagcagcaat	ggcaatgata	atggcaatgg	gaaaaatggg	gggntggaac	180
acgtaccatc	ctcctctcc	atccacaatg	gagacatgga	gaagattctt	ttggatgcac	240
aacatgaatc	aggacagagt	agttccagag	gcagttctca	ctgtgacagc	ccttcgccac	300
aagaagatgg	gcagatcatg	tttgatgtgg	aaatgcacac	cagcagggac	catagctctc	360
agtcagaaga	agaagttgta	gaaggagagn	aggaagtcga	nggttttgaa	gaaaagtgcg	420
gactgggtnt	cagactggtc	cagtagaccc	gaaacatcca	ccccaggag	tcccacttca	480
ganaccctaa	cgtcttggtg	tttttaggat	gatggatcag	tgtncgtgtn	tnnnnnnnnn	540
nnnnnnnnnn	nnnnnncn	nttttgtnnn	tnnnnnnnnn	ntnnnnnnnt	ntnnntnnnn	600
tnnnntntnn	nnnnnnccnn	nntnnntttt	nnnnntnnnc	ntnnntntnt	nnnnntntnt	660
tnntntntnt	ntnnntnnnn	nnnnntntnn	nnctntntnc	tnnnnnnnnn	nnnnntntnt	720
tnnnntntnt	nnnnnnnnnn	ntnnnt				746

<210> 127

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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	caactcaagc	attctggtgg	caacatagag	attgtaggct	gcttctaaga	aagttattaa	120
	caatttgga	attcctaagt	aggatgagag	ttagtaactg	gatacgagtg	aagtttatat	180
	ccaagttcag	actcaaaggc	attattatga	tttgcttctt	cccatgtctt	ccatgtcctg	240
	cttctcaaag	ttttctctcat	ccatcacact	actgccttaa	cctgctctga	gtatgcattt	300
	gttttcaatt	catctttatt	tcaatctgtt	taacttttga	atccgcatgg	gaatacgcac	360
	attaagttcc	tttctaaaat	aagggtttat	ggaagctnga	gtgagtttca	cgataagtgt	420
	ccttgctatt	ttttgagatg	ttttatgg				448

<210> 128

<211> 1650

<212> DNA

<213> Homo sapiens

<400> 128	agcgagccgc	cacggtatga	ccccaggggc	tctgctgatg	ctgctggggg	cgctggggcc	60
	gccgctcgcc	ccaggcgtcc	gcggtctcga	ggcggagggg	cgactccggg	agaaactttt	120
	ctctggctat	gatagctccg	tgcggccagc	gcgggaggtg	ggagaccgtg	tcagggtcag	180
	cgttggtctc	atcctggcgc	aactcatcag	cctgaacgag	aaggatgaag	agatgagcac	240
	aaaggtgtac	ttagacctgg	agtggactga	ctacaggctg	agctgggacc	ctgcggagca	300
	cgacggcatc	gattcgctcc	gcacacggc	ggaatccgtg	tggctccctg	acgtggtgct	360
	actgaacaac	aatgatggga	attttgacgt	ggctctggac	attagcgtcg	tgggtgctct	420
	cgacggctcc	gtgcgttggc	aacccccggg	catctatcgc	agcagctgca	gcacccaggt	480
	cacctacttc	cccttcgact	ggcagaattg	cactatgggt	ttcagctcct	acagctacga	540
	cagctcggag	gtcagcctgc	agacaggcct	gggtcctgac	gggcaagggc	atcaggaaat	600
	ccacattcat	gaagggaactt	tcattgagaa	tggccagtg	gagaatatcc	acaagccctc	660

t	c	g	g	c	t	a	a	t	c	c	a	g	c	a	g	c	g	c	a	g	a	a	g	t	720
c	a	t	c	t	t	c	t	a	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	780
a	t	g	c	a	t	c	c	t	c	t	c	t	c	c	c	c	c	c	c	c	c	c	c	c	840
g	a	a	g	a	t	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	900
t	g	a	c	a	a	a	g	t	a	c	c	t	g	a	c	c	t	a	c	c	a	a	g	t	960
c	a	t	g	g	t	c	c	t	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	1020
c	t	c	a	c	c	c	c	c	a	c	c	a	a	a	a	a	a	a	a	a	a	a	a	a	1080
g	c	t	g	t	a	c	c	t	g	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	1140
c	t	g	t	t	c	t	c	t	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	1200
g	c	c	a	a	g	t	g	a	t	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	1260
t	c	t	g	c	g	g	c	g	a	t	c	c	c	c	c	c	c	c	c	c	c	c	c	c	1320
g	g	t	g	t	c	t	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	1380
g	c	t	g	a	a	g	g	a	g	a	g	a	g	a	g	a	g	a	g	a	g	a	g	a	1440
c	a	t	c	a	t	c	t	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	1500
c	c	c	t	c	c	a	g	a	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	1560
g	t	g	a	g	a	g	a	g	a	g	a	g	a	g	a	g	a	g	a	g	a	g	a	g	1620
a	g	g	a	a	t	c	t	g	g	a	a	t	c	t	g	g	a	a	t	c	t	g	g	a	1680

<210> 129

<211> 983

<212> DNA

<213> Homo sapiens

<400>	129	c	g	c	a	g	g	g	g	t	c	c	c	c	c	c	c	c	c	c	c	c	c	60
		g	g	c	a	c	t	a	c	g	a	a	c	c	c	c	c	c	c	c	c	c	c	120
		a	a	a	c	g	g	g	t	g	a	c	c	c	c	c	c	c	c	c	c	c	c	180
		t	g	c	t	a	c	t	c	a	g	g	a	g	c	t	g	a	a	c	a	a	c	240
		g	a	c	a	a	a	g	c	t	g	a	a	a	c	c	c	c	c	c	c	c	c	300
		a	g	t	t	g	c	a	a	t	g	c	a	a	c	c	c	c	c	c	c	c	c	360
		g	g	g	c	t	g	g	g	a	t	c	a	a	c	c	c	c	c	c	c	c	c	420
		c	t	a	a	t	a	a	c	a	c	a	a	c	c	c	c	c	c	c	c	c	c	480
		a	t	t	c	c	g	t	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	540
		c	t	c	t	t	t	g	g	g	c	c	c	c	c	c	c	c	c	c	c	c	c	600
		g	c	a	g	a	g	c	t	g	c	c	c	c	c	c	c	c	c	c	c	c	c	660
		a	a	g	a	g	a	t	c	t	c	c	c	c	c	c	c	c	c	c	c	c	c	720
		c	t	g	c	c	a	g	a	c	t	c	c	c	c	c	c	c	c	c	c	c	c	780
		c	c	c	a	a	a	c	t	c	a	c	a	g	g	a	c	c	c	c	c	c	c	840
		c	a	g	c	g	t	a	t	c	t	c	a	g	a	a	c	c	c	c	c	c	c	900
		t	a	g	g	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	960
		g	g	t	g	a	g	a	c	a	c	a	c	c	c	c	c	c	c	c	c	c	c	1020

<210> 130

<211> 454

<212> DNA

<213> Homo sapiens

<400>	130	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	60
		t	t	a	a	g	t	t	a	a	c	t	a	t	t	t	t	a	a	t	t	a	a	120
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	180
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	240
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	300
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	360
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	420
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	480
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	540
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	600
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	660
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	720
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	780
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	840
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	900
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	960
		t	a	a	a	g	t	t	a	a	c	t	a	t	t	t	a	a	t	t	a	a	c	1020

aggataaaat	aactacat	agcttgcc	tcagtgcgc	ttttgccaaa	tgtcagctac	120
aaggagtc	ctccctcacc	gccaagctgt	ctagcagcca	gagtggtagc	tttactgtaa	180
cacacagtac	tttttgta	cagactcaaa	gtcttcatcc	atactgcttg	tgtctgccat	240
ctttttgcc	tcagtctttg	gcagaaattg	tgcatagtct	atccctgct	gctcatagaa	300
aagaatgtag	gcagagtcgg	tgtcaatttc	atccgggtga	agttccttta	cagctgctgt	360
cattgtaaca	gtaccacttg	cagtttggg	ttttggcata	agtgacgtaa	tgggccccca	420
cccagaattc	cccgaatggc	acgaaattgg	cata			454

<210> 131

<211> 552

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 131						
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tggagttgcc	agctagaggc	attctcaggt	agctaggtgt	agtgtat	gggtgcctctg	120
gtctctgggg	caatgtcttt	tgtcctccaa	ctgggtatgt	atggatactg	tgattccagg	180
tctgtttttt	gacttaagaa	ctgctcccag	atttccaaat	ggaagttttc	acactatgac	240
ctagaaatga	atagatatac	attctgtctt	gggtttccta	agccagtctc	ctataaaaca	300
aaaatttcat	cccaggaact	cttccatata	aggggaacata	tatgttttga	aaataattca	360
tccatttctt	tgctcccata	aatacctttt	gcccaggatt	tattcaaaaa	aaaagaaaga	420
ttgctactta	atgtttctat	tccattggag	tgagtgattt	attcattgga	gggtctaagt	480
atgatcatag	aaagaaacat	agagtactag	aactggaagg	aactaatctc	nattttatag	540
gactctctgt	cc					552

<210> 132

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 132						
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ctcttcttcc	ctttgtat	gtgtaaggag	cactgcactc	ccataaaagg	ttttaaaata	120
caaatgttac	aagaacacac	aattccaagt	gctgtaaaca	taactgagaa	ccagttcctt	180
tactaaacat	ccattttata	aaatacaagg	tttcaatttg	agcccatctg	agccttaaag	240
atccattctg	aataccaaaa	acagggcttc	acagccaggc	ccagaagagg	tctggtgata	300
atggctggcc	ctgggtgggg	atagtttaca	cccgggcagc	agcaccacac	atgaacccaa	360
agacatgttc	tttttaaagc	tgttttcagc	catgtttctc	tggtgcatct	ccagtaagca	420
gaaggctacc	cattccattc	ctcaacccca	agagctagca	cagtttagagt	aggagggggg	480
tgcgtactag	cacgtgncca	gttgetcagt	gcggcaggta	gaaatgattt	gcataggtcc	540
atggg						545

<210> 133
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 133
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 aaattacaga aaaaccaaag atgaaaatta cagtgcacttt gttccaccat acaaagataa 120
 ccactcaaca ttttttagta tgccttcctg cttttttatc tgctctacgt atacaagcat 180
 acaccatata tttaaaaaac aaaattgaaa tcacataaca tgcactattt ttacaacctt 240
 ttaatatcca aggagcattt ttctttcagt cagatgttct tttacatgac ttttaatgtc 300
 tgcgcggtac tccaccatct ggatggagat acaataattt acttaagcaa tcccctattg 360
 caaactttcg ttacagcaga aaag 384

<210> 134
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 134
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 gcttctgatt agaagacttt ttttttttaa accaaatagg ctcaagaagc tggctggagg 120
 ttgaattggc tgacgaacat cttcttcttc caccagcagt ttgtggga 168

<210> 135
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 135
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 gatgttccac aaatataaaa atgagaaact ctttcagatt atctgtatat ctatatacct 120
 ggattattct ggctaaagcg acaggaaatc ccagcagctc ggcttccccg agtaa 175

<210> 136
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 136
 tttttttttt ttttttggaa gaaaaggaag gggtttattc tcaagcgtct aagggtttac 60
 aaacgagggc attttgtttt aaaaaggggc agggcgacac tggcggcctg aggaggggtc 120
 cattggctgg tgggctggcc gagccaccct caggcccttg cccaccggt ccgcccctcg 180
 cctggtccag agggatggct ggtgacgagg ggggaggtct tgggagaggc tgggagggcag 240
 gagaga 246

<210> 137
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 137

aaacaataaa	cagaatttat	tagctcatat	aacaaaaaaa	gtccagaggt	aaggccaatc	60
tcaagcaagg	cttgatcctg	tacttaaaca	atttcaccaa	ggacttgatc	tctttctgcc	120
tctcaactct	cccttcagtg	gtgtcagctt	cacgtgattc	ctggtcatga	tccaaggcc	180
caaggtggtc	atcataaaga	cccaggaata	ctactacctt	tttcacattc	aacaggggaa	240
ttaaaacagc	ttctaccag	cat				263

<210> 138

<211> 394

<212> DNA

<213> Homo sapiens

<400> 138	ttttgtcact	ctgttcttcc	atgcctttat	tggtaacagc	aatggacaag	aacaatacca	60
ggcatagcag	acaccctagc	ccagtacctg	aggtgccagg	caggccctga	aggcacttgg		120
cacatccagt	cccagcccaa	gatccagtct	acccaggcca	tgtccccgaa	tggcaggagg		180
cgtctgtcca	gtttgtatgt	gtggatcagt	ctctctgagt	gtctgagccg	ctgcctgcag		240
ggccccccca	ttctccgcac	atggtagggg	ctgttaggaa	catagcgtgg	catcccccg		300
tggaccactg	ggccccagtg	ctgaccatgg	ggattagggc	cagggattgg	aggtggcaga		360
gggccaggca	caaagtccac	tccagggccca	catc				394

<210> 139

<211> 303

<212> DNA

<213> Homo sapiens

<400> 139	ttttcatttt	gaaaaagcta	tttacttttt	ttccaaatat	tatcccaaaa	ggtgttttac	60
agataagggt	caatacgaag	tcaaacattc	tacagaagaa	aatcgttttt	acagacatta		120
agaataattt	taacagaaga	aaaagctcac	atctatctag	atgtggctat	gttccatggg		180
aaaaatttca	gcattccaaag	tgcaaagaaa	aatgactgt	agcttttctt	accacaaaat		240
attgacaatc	ttcccttata	gcctactctt	tattgttagt	tgggatgcca	aaggatgata		300
tat							303

<210> 140

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 140	gaacaaaaca	gaatgttatt	ttattttgtg	tctaagagta	caaaantcat	aatcaccaac	60
ctcttgggaa	tccaaggcca	ganttttagt	cccagacccc	ccaacatcct	cactacatac		120
atggaagtgt	ctttactcct	ttctacctta	gttatgtgac	ctataattag	aggataaaat		180
acaacattct	aaaatcctgg	taatatggcc	gatataataat	tttatttttg	atgtgggtga		240
gagtcttgaa	gtctggaaag	catttaactt	attaaaagac				280

<210> 141

<211> 495

<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 141
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 cccagccaga gtaggctcgg acactccagc gcagtcacac ggtggaaggt ttgcggacag 120
 aaaatggaag tgaggtacag aaacagctgg gcttggtac agcttggcat ttgccttatt 180
 tgaacgtggt ttgaacagtt ggctacattt gattggccaa aactcagtga ttggcacaag 240
 tgtagtctgt ttacacctcc acttgtcacg atatacagac aaaccttttag gccaaactta 300
 aatatataag gaggcagctt taggctaaac tttatttcaa tacctgtatt ccaacacttt 360
 gggaggccga ggcgaggagg atcacttgag cctaggaagt tagagattca gcccaagcaa 420
 catagtgaga ccttgtctct gtggaaatta atttagcng ggcttggtag cctgtaccng 480
 tagtcccagc tactc 495

<210> 142
<211> 402
<212> DNA
<213> Homo sapiens

<400> 142
 tttttttttt tttttcttag ttaatatctt taatttttta tgtagaatat actatTTTTT 60
 tctccaccaa aataacaata tatttgcagg cggaacatg tatgatttta aatgcacttt 120
 tgaaatctta gagtagaacc actactctag taatacttgt aataaaatta aaatagtttt 180
 aaacacttcc ataaagaatt aggggtgccc agctccttga tttcccccta gggataaaga 240
 tatccatgta caattccagg gagcttccct gtaattcctc aaaaaaggca ctagtaaaac 300
 tcttaggagg gatattagga taaaggctca cttaggcaat agcccttttt cccacatat 360
 tctgggaggg ttctacaaaa gctatttggg tactcattcc gg 402

<210> 143
<211> 463
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 143
 ggtanngatc ngtgtattta taatcaagtt gaatcaagag tgacaagaag aaatacagct 60
 agagttatat ttttgcceca ggggtattct tttcctagaa gagcaagtcc attttttagaa 120
 aatttaaatg tctttatttg ttactttcca aatatttttg ttaaacaat atctcttgca 180
 aatgtatctt caaaatcttt gcctacatgc atacaatttg ttcttcccaa ctgcttaggg 240
 gaaattcctt caaaatgctt agggagttct aacacatcaa atctgatcat tttgtttaca 300
 ttagggaaac accaggacat tgtgggatct cttctttaaa aaaacaggat ttttatttta 360
 ctggcatttt caccctcagg acatgtctcg taaggntnga ggggttaggc taggnagggg 420
 ggnnggttcc agggcaacac atttaccaaa tggacncccg ggg 463

<210> 144
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 144
 aaaaattgta aaattaaggt gaaataattg ggaatataaa accccaatgt aagataaagc 60
 aaattgcttt attattttta aaaatgaaga gaccccaaat acaganttaa gcagtaaaaa 120
 tcttttgtag ttctttcatt aatctgtatg atccaaactc aagtacgtaa ttttttcttt 180
 ttttaagaggc aggttttgct ttgttaccga ggctggaggg ccatggcacc accacgcctc 240
 acggcagcct ccacctcatg ggcacacagt gatccttctg cctcagcctc ccacgtaggc 300
 agggaccaca ggcggaanac ccatgctcag ttattattat tattattttt aggagacagg 360
 ggtcttggtc atgttggccc gggnttgctc taaaactncc gggctcaagt aatccttcca 420
 cctcagtnnt cctaaggtac gtaatatatt taataggcaa accatt 466

<210> 145
 <211> 385
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 145
 anncccagat aagtgtgcaa ttatggagaa gtttatctgt aagaacagat aaagggaaat 60
 tgtctacaca tgtgcatgta gaaagaaatt atggagatgg attcagccct caaagcaaaa 120
 gctctattta atttgaattt ttacttaaata caaaagcaga aaattttaaatt tgtcactaat 180
 cttaactggc caagggcatg atgcatcagt ctcataacct gggcaaaaac ctgcccttaa 240
 atgatcaggt cagaaccagt aagagtctct atcctgggtc ctcggttaata cagagagctc 300
 ccaaataaaa ttatatgtat tacagagcca attcagccca atntacagtc tctgattttc 360
 acatggccta cacaactttt atgtt 385

<210> 146
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 146
 cattaacttg acatctggta aaacaaaatt ttgcgtanat ctaaatacaa acaanaaaca 60
 gacatgacac tttctcagtt aaaatagttt aataaaagca acaaaactgt gctaacgatc 120
 agaatacaaa atgagatatt aggtagactt ataaaacaaa gtatagttat tttttgattt 180

caaataaacc atgtgcaaaa ttgtaaaatg ccaatgtgtc tgagaaaagc attaacagtc	240
cttttagcaa tttatatata aagatgtttt taaagtgcc aagcttaagg cattatattt	300
taaagtttaa taaacatcta atttcaacat ctctccaaga acagacttct tctcaataag	360
ctataaacta tt	372

<210> 147
 <211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 147	
cttttcatat ttcaacttta tttaaaatat gaggttttat gtccagaagg gagggcagtt	60
gccatcgga ggtgaagtga ggcacaatac tattgggttg cgggccaaagt acacagggtt	120
gcactgtgaa ggaactgagg aggttctggg agggcctggt gacaacaatg gatttgggga	180
gatccacaaa ggaaattttc atttcctccc cagggttagct attcagtggg tggattattc	240
agtcttttta agcaaggtca ctgctcctta gcaacatcaa caaaagtgcc aaagctgagg	300
acacagagaa taccatcatt gtcttttgtt tctctttatg cctggatggg gaaaggaatg	360
gaaactaata gcagaaaatg aaacatttcn ggatgttata ccttgccatg aagaatcacg	420
ggcttgtgta gagacctctt tcctttcntt ttttttttg agg	463

<210> 148
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 148	
catctctcct tttttctttg gactttcctg agacccctc tccttggcca gccggtgtct	60
gcactcttgca gctctttcag ctgtaatcca ctgttattat aaggagccct gttgctgtgg	120
tggttaaggag tggggaaggg aagcattcca ttttcttagg attacatctc aatcttttgg	180
ntgggcctat gttgctgtac tgtgaccttt acaaagtgtt cttaaccttt ttctctcttc	240
cttaggttga cacaggaat ctaggagggt gactcgagtc agaggaacta tcttctcccc	300
aggatggggg ataaggactc tggggtaaag gcccttttcc ntggggagag gtaaggctctt	360
taatcatagg ggggaacatt tctgagggcg cactttcaaa gggcatttac ntttccctt	420
ncccttttnc agagccnggg gggaaggggt ntatcttngg ggtctttt	468

<210> 149
 <211> 496
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 149
 tttttttttt tttttcttta ttaataaatt ttatttttag cacaatcatt tacccaaaaa 60
 gagagtttga gaatgttcga gaatctctac cactcggtaa ccatgctggc tggtatatca 120
 gaaaaatcca taaacataca cagcagcgag ctgttttcac aagacttcct gctaataaac 180
 acaacacttt ctctccact cagatgggag cctcagnatg ccaaacggc aggatgtgcc 240
 aactaactat agggctcggt gctaaggcag gaggaatct attcaagttt gtccaggcaa 300
 attcgattgt acagtgggga tgggcgtctg cttctgcggg ccttgggaca ggggaggcca 360
 ctgggtctnt gctggctgtt cccctgtagg gcagggtcga ngctgggtng gccctttagg 420
 agggcaaggg ttaaaatggg tttntcatgg gggtttagga acataagggg ntttttgagg 480
 naaaaattgn caaatt 496

<210> 150
 <211> 438
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 150
 ttttttttct ttataagtgc ttttaattaaa accaatctta ttatgaaaaa caaaccaaaa 60
 aaaccttgca ttgatggatg gtagctatct gcaatttctt gttttggctg gatgcattga 120
 aggattaaaa atttaatat taaggtgtgc cttaaactgc aagggtccct gattttattc 180
 tcatctagga atttttgctg ctttaggtag ctgacaacat gcagatccat actctatctc 240
 ttaagatttt cttttgggaa ctgattccag ggtgaaattt tcttagggga aggatgtggg 300
 ctaggaggct ggggtatggc aaaggcatgt tctataggca agggaaaggc caggatggag 360
 gtgagggggt caaaaatcta gggtattaaa attttagggg gngacactng ggtttttaat 420
 aaacntatct cttccac 438

<210> 151
 <211> 371
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 151
 ctggagcnnnt tntnntttta tttgetcaat gaaaatactt cgtccttttt tatcagcaat 60
 acatatagtt ccaacaagaa ctattcatca caaactgccg gcctggggat ttcttcatga 120
 aatattttgt atttgcttgg tacatgggtc aaggaaactc ttgtgtttgt gccaatcagg 180
 gaaataaact gaacaataaa cgacactgaa atagagtatt aggcaatatg tagctttggt 240
 tttgcttttt ttttttaaaa aaaaaccact gaattttttt ccaccacaaa acacatggga 300
 aagtgcagga aaccagttaa tctatggtga tggatattgc catacggttt acaaacnagg 360
 ccaaattaaa a 371

<210> 152
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 152
 taaaatgatc ttacaatgtc aacatcaatg ttaataaaaa tatataatag gctgaattca 60
 tcaatgatag aataagttgt aattcacttg gaggttccat ctttcaaagt aagcctttca 120
 tagataaatg aaaatccttt attttgtaga attttaaaga ttgttaaagg ctgggtcaag 180
 gcaaagccac ctctattaga aggggaaaga aaagcaagat gaaacaaaat atgttatcat 240
 acatatcgcg tgtgctatga gcatctttct actcctgcc aattgaaaat tctaggtttc 300
 aacattcttc aggatttaac aagtcaaaat aaaagccgga attcaaattc agg 353

<210> 153
 <211> 429
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 153
 agctcacggg cggcaggcag aaccttcctt ttagtgagtt gtaaagtcag agagaagctg 60
 aaaaattaga gtgagaccac ttattattta atgattttta agagcagggg cacttttaaa 120
 ccagaattgg cttgaaaatg gagactgtga tatgcacggc taaaataagg gaaatgtcca 180
 tttgaactga gactagaaag catgactttg cattgcagct ggctctgttg ataaaaatcc 240
 ctcatccctt tgagtgttaa attgaaagac tangaaagca tttccaaggc gaagtgttc 300
 atgnetgtct ctacagnttc ccacagctgg gtcccggggc atgctgttc tggatgtctc 360
 ncattgcgag ggaaactgcc nttcaccct agctcgtaat ccagctnct cggggggggtc 420
 gagggcagg 429

<210> 154
 <211> 203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 154
 actttcttga atttatTTTT atttcaatgg ttttaatgaa tttttccgag aaagttcaca 60
 atactcattt ttatgtttca atttatattc aaatttactc aaagntaata tccccggta 120
 ttattagaga agtctctcta aatactagaa ctgacatttc agatccnttt gtaataatac 180
 tgcccccata aaatatgcat agg 203

<210> 155
 <211> 319
 <212> DNA

<213> Homo sapiens

<400> 155
tttccagtat aaattatatt taatttttaga aactgagatt gaagtacagt ttttagttta 60
aaatattaaa aatgaaaaaa cctttaacat tattaaagat gtgttggttac aaagttccta 120
gatataata tgtacaaaac aaatagatat tactatctga cacctcaacc catgacttac 180
cctaaatctc ctgatatgaa caattaatct actgggaggc ttttcccaat aagtttcaaa 240
tttcttgac aaagatttgc tgccattcat attctgtgca tggatgagga catttaatca 300
cagactattt caacttaat 319

<210> 156

<211> 276

<212> DNA

<213> Homo sapiens

<400> 156
tttttttttt taggacaaat aaaatttatt tttctctgta aattcattta aaagtatggt 60
atctatgatt atcctatcaa ggtcagaaat gttagatctt actccaagat aggtaaacag 120
ccctttgaaa cgcaacaaaa agagacgatg atcttatgag ctcatattatg ttcattgctg 180
aaagtgtgaa gatcactagc tttgctgtgt ttctacaagt ttccttgact gtaaaaacag 240
tcaaaatgta accaacctaa ttcaagatgt taaatt 276

<210> 157

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 157
tcctngcnnng ggtcggttact gttcattagg ggagaaagca gtttaaaatg tctcagcctc 60
tcgcctttcc tccaatcaac acaaagtata ttagacaaag tggataaaga ctggcattga 120
catcttccaa atagcaaaat caattttata atttaaagac aaaaaatgct ttaactgcag 180
agggcattta agacgtttca cacttacagg gctaataaaa tgcaggacta gcataaaagt 240
tttttggggg ggggtggggga gaatagattt tttaacataa ggagtcgata ggnaatcttt 300
aataattttt cccccccaaa taattttaag gtgctttaag ggccgcggga tcncgggggg 360
ggtttcccc tctttttacc ttattatgga ntttaccata ttctnaaaa atggatttaa 420
atccccattn ccccttcagg ccncaggggg gnaagggggg aaatttgctg tgggggcccc 480
tttnttttagg ggagggtttc ctctccagg cngctcctct ttaccgnccc cgtccggttt 540
cgggccttg 549

<210> 158

<211> 378

<212> DNA

<213> Homo sapiens

<400> 158
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cattttgtct aagcagattg aagagaaaaa atgagctata ctgatagaag ctgaaaaaag 120

aaattactgt ctacacgact aagaaaaaga ccaagcaagt gcaatgagta ataagttata 180
gaaatagcag caactccaca agaaactgat aagcatctgc cactatcaac tctatgctag 240
atgccaggca tacagtgaat gtgatgtgcc cacttcattc aagaagctca tcaggtggga 300
agaccaatga ggtatcagtt taaggatatga ggatgaattt tataggaaag caggcatccc 360
aatgttccc ttatttcc 378

<210> 159

<211> 307

<212> DNA

<213> Homo sapiens

<400> 159
ggtcattgctc tgttgcccag gctggagtat ggtggcaata tcataggttc actgtagcct 60
tgaactcccg ggctcaagtg atcttctctgc ctacagcttc caagtagctg gcactgtgtc 120
tgacaaagtt cacaactttg tttgtgggtca caaagctttt cagcaggagg cagctatttt 180
tggtaccttg ctaagatcta gtatatcact atacgagacc ctacaaaaac acacaaaaaa 240
gcaattcttc atttactatg ttcaaggaaa cggcatggaa ataaaggtaa atttttaggg 300
caaaagg 307

<210> 160

<211> 290

<212> DNA

<213> Homo sapiens

<400> 160
caagatctct attggctttg ctttggttcc tgtttccccc ctaaaaaat ctaacttcta 60
aaaacattct gctcagacaa ccatttcaag ttataggaca catgctctaa aggaaaccat 120
ccaggagaaa catttgacaa agttctccta tgacttgaga ttgcatctga gaaggggtgca 180
ggggggagaac agacagaaac agccactct gtgtgcagaa cgccgtgtgt cctcagtgtt 240
tctcggggcc catagctcat tagctgcagt tggatatgaag cctgcaacct 290

<210> 161

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 161
cacattttca ccattttatt cattaatggt gtcagatggt ttagtggggc atgtggggaa 60
agaagggtag gagttgtccc cccatccccg tgcacaggtc aggacatgct gggggctcct 120
ggagggagag gaggatgggg tcagcctagc cctcccacc ccagatttnt gcgagggccc 180
ccaggatgga ggggtggtggg gggatgggca gacccttcag tccagggtag ggaagctgag 240
attata 246

<210> 162

<211> 344

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 162
gcttgtnacag gttctgttta ttatgtntct acagccttgt ttatagtaaa ggtgaatgac 60
atgattccac tttacacgat aatgaaaaaa ctcaatgagg actccatcag ccaagcgggt 120
tatatggcag atgagctgct acaaattctgt tgtgtgctcg ccgcgtgact cagctaattgc 180
taccgggggt ggagcgcaca ccgagcccag ccaccttttc catacctggc agaggggaagg 240
gagtgggaagg accagaaggg agtaagantc aggaaaggaa cagttttattg aaaggaccca 300
gagcccaacc taggaaggcc agtggcccat cctgaaatct ctca 344

<210> 163

<211> 162

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 163
cagaccctcc tttatttctt gancgatgtc acagcagccg taaaagaaaa ccagatgacc 60
ccaaccaacc tggcgtgtg cttagcgctt tccctcttcc atctcaacac cctgaagaga 120
gaganttctt ctcccagggt aatgcaaaga aaacaaagtt tg 162

<210> 164

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 164
gcagaggcct ccacttttta tttcagttgt actcatctgt ccactgtgc aaatggagtc 60
acacgctcac tcaattctga gaggcctggc aagnaaagag aaaagatgcc cagagcagtc 120
tgtagagtt gcattctcag actaatatct ttacagtctt gagaaatcac tgtcagggtt 180
tatttaaaat gcagattttt gaaggataaa ttttacgact aatttttttt aataaactat 240
gcaggattgt tatttagaag atttgccaaa tttagagtct tcagcgatgg aaataattgg 300
ccttcttgct acagtcttct gtttataagt gggtaaagaa agttttcttt ccagaaaaat 360
acagcagaaa atccgatggt tctgatagga gttaattgtg gagatgtgcc agagacagca 420
gcttcgtgga tggtagacacc acaatgtctg t 451

<210> 165

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 165
gcatgtattc ttcaattcag ggtcctggta atcactggaa ccacaagttc aaatgccatc 60
tagaccataa ggactcttat aaaacacaaa ccacttcate atcaacaaac ctatttgctt 120
actagaactt ttaaagcaag gctgcaaact attcaagtaa acaaccttgt ggggtgggtg 180
acatggaccg agagctaaca agagaacact ggaattagct tctcagtttc aaaatangga 240
cctaaaggag tttgcgctat aggagaagag ttgcttgcat tttgttttaa tgggaaataa 300
atatttg 306

<210> 166

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 166
taaacgagat gtttttaaga agtgacaaaa ctacttctaa gttcttcatt ttcctagtta 60
ggacaatatt cacaggaaat tgaaattatt attctaacac ttaaagtga atcactgaaa 120
ctgttttcat ttacctgaag attttaacaa acaggggcat gcaggacaga gtacctcagc 180
ctctgtaaat gcctggaaca ccccaactcc caaaggaagg cagagcaggt gcacatttcc 240
agagaggaat tgcaaaggat gccacagaa acaggtaatt cattaccaga gaaaagtccc 300
tgatgttggg aatctcatgg ctgaaggcag aaactcaatc cgggtagaag ctngtcaag 360
ttaatccana tggaagcaac ttaaattagc ttttctttta aaagagacac ctgactggg 420
tcccactcat tacctgccat att 443

<210> 167

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 167
ttgcaaaaatc aaaaatTTTT tattccaaat acaatattct ttccaccaca cctcggtgc 60
aaggcatttt gtagagaatc tgtctgggga gagggatggg tactggaggc acatccgggg 120
caggtaggag acctggtggc caagactggg atgggggtggc accatggggg tatcgaggac 180
gtgcatctgc tccagctcca tgtggcggtg nanngcngc anngcnggg gctncangct 240
cnngaacncc ntnaanttgt tctcggcgaa ctctcgaact cgctgtgcac agtgggtggg 300
gtnnaaatcc cagtaanggt cgctatngct ctccccatca ctngctgaga taatgggtaa 360
tactcgtgcg ttttngcggt tgggtataaan ccngtcata agggcaccan gtctttctga 420
tgg 423

<210> 168
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 168
 acactccaag cactcacaaa tggctttcac aaacacttag cctaggctgg aacacaaaag 60
 gatatcacaa cagagtccat tgggttttac ttgcttacat caccaaagaa tgttcatggc 120
 agttaatttt caggctgtaa aaactacatc tatggcacca acatggaatt taaaaacaag 180
 ttggatttca aagtacccca aatgccaaaa actgaaagta ctatcaaacg ggtctccaaa 240
 gaagtctagg atgctgtgat gcaggcctgt ccatatacct ccctggaccc tcaggtgcta 300
 cctacaggcc tctgctcatt tcccataaac attacctcac catcccagga caacaaagga 360
 atgccatgta agaaacaaac aagactgggt atctcctacc acaaacagga atacagaaaa 420
 catggggcca gattcg 436

<210> 169
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 169
 acaacagcat caaatatcca ggggaacttta tttttaaaacc ataaatcaaa cagacacaac 60
 tttcattgac ccaaatatgc ataatccaac ctgaatataa aatgcactga ataggtaaatt 120
 tacatgatac aaaggggaatg taattttaca aatgtgaaat gattgatggc tacagcaatt 180
 taacaaaata attaaaacat tgtatgttta aaaacaagaa tatcttaaag ccaattatct 240
 atagtaaacc aaggggaaatt ctgggtatgga atgatttgat tcaaaggaaa taaggcacct 300
 gctataaatt tagagaatat ctttcacttt taaagttata gtaaaataga attagttaac 360
 caagactggc ttcagaggga accaagttca gggattcact tacagggtga aaagaaaatg 420
 atcaatcaca acctacgaag tcatacaaaag gaagactaga c 461

<210> 170
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 170
 aaatttaaaa agccaacctt tattccactt tgaacaagtt tgtgaatgtc caaataaggc 60
 tccttgaaaa tttctccttc aggggtaagt atcttcacat aaccttcttt ttccagaatg 120
 aagagacggt gcgagccatc cccactatgc agggcaccaa cgggctgccg cagcccacat 180
 cacaacctcc tgaatacaga agcagttgtg tttgtgcttt ctgctgatct cttccacttt 240
 gtcataattct tccatctggt ccaagtagtt agatgctggt cctctgactt gttttcttgg 300
 aaaatctgga aagcacaacc caccatcttt tcttgcatag taaaagcaaa actcatccgc 360
 agt 363

<210> 171
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 171
taaaattaat cgtgaacact tttcttggtta aaaactcaaa tacagaggat aggcaggatg 60
tctccctgcc cccagtttta ctccccgacc caaaggaaac ctggtaactg gctgtcatcc 120
tcccagaagt ttttctatgc ctttatttat taatgtacac ttgtaaaaca gcatttgggt 180
ttgctgttat actaatggcg ttataacata catacattgc agctcttttt tcattttaact 240
gagcctcaga aatcctttcc atatatacat gtagatctag gccattcttt ttaaagctga 300
gtaatgtttc atagtgtggg cataatacct acacttgtgt atttccagta agcctttaca 360
gatactacta ccttttttcc tttaaaaatt aaaagggtata atattaataa aaattccccg 420
ggaatttg 428

<210> 172
<211> 466
<212> DNA
<213> Homo sapiens

<400> 172
attttttata acagctttat tgagggtatta ttcacatacc atgcttttaa aatatacaat 60
tcagtgggtc ttagtacatt cacagagttg tgcaaacatc acatctaatt ccagaacatt 120
ttgatcactc ctcccaaact ccataggcat tgactttaat gtaatggcat atacatatat 180
agaaatacat atagaaacca attattctag caccatttcc attctttccc cagggactgc 240
aacatcatct gtcataaate aacttttcat gtctgtgtga atttggtttt gatctcccta 300
ttgagagact ggtgtacagt atttgtctat cctgcacaa attattaaag caagttttgc 360
cattctgtta tccttctcct tgaatatctt gattactttt ggccctaact catcaagttc 420
cacagaaatc ccaattggaa tcctaggtta aaattgggtg tggtca 466

<210> 173
<211> 406
<212> DNA
<213> Homo sapiens

<400> 173
gtagcttgcg tattattttg agcatctttg tttattaccg ctagaaggca ataactagta 60
caatgcttta tatgtataat atatacttat atatgtgtgt gtattccttt aaatcagatt 120
ctgattatct gaacatactt attttttaaaa gacatccata gcacactcta ttctttatgt 180
gtaaggataa acaatccaag catactgtga agatcctgta acatatagct ttatgacttt 240
ggtttaattt tctattcccc agtccacatt gcttgccggc gttctcctac cctgcatatt 300
ctgataacag gagcaaagtg actggcattt tctccttct atggaaccag gggattcact 360
agtgtttttt ctatataatt cactggcaga gctataataa aacaag 406

<210> 174
<211> 272
<212> DNA
<213> Homo sapiens

<400> 174
tttttttttt taattagctg ttcttgtcat atagttttat tcctttatct ttttttgaac 60
attttataca ccttatttcc aatgttccct ttagatcact ctattctctt tactctctgg 120
gctttgaatc tccttgtttc ttgtatctgc tgccctctct tgggatacct gggagttttt 180

cctctgacct cgtcttcagt aggaaatgat tttccatgag aatcctgggtt cccctggatg 240
aggacggtgt ctctgggga gaatgtctg tt 272

<210> 175
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 175
caatagcaga cttttaatca atgccagaga caaagtgagg ccgagctaag aacacgctca 60
gctncgttac aatgaagaaa tggtttccctt tcgatgcaaa gtataattgt aaaccacagt 120
gctcgcacag ttcacgnectg nttaaagnga aatccttagcc atacatcacc taaaagtaat 180
taaaaagtca acacag 196

<210> 176
<211> 417
<212> DNA
<213> Homo sapiens

<400> 176
ttttttttgg catggctttt ttattctctt tgcagccaag acctgttttt acaattaaaa 60
ccaaaatttt gaatcacaag gtctctatgt ctatgcatac ttgggaactt agtgtgagga 120
aataatagtt aattgaaata ctagtggaaac tgtaaacca caaatttaga ctaccaggag 180
aaactgaatt atttgatata ttacatgtaa tgatgcacgt tatatatattt acatatatta 240
catatatatc ttgttaggtg aaatgggccc acttgactca ctgaacttta ttttttagac 300
agagtctcgc tctgtcgcgc agattggagt gtggtggtgt gatcatagct cgctataacc 360
tcaaactcct gggctcaagc attcctccca ccaaagtctt gggattagag gcatgag 417

<210> 177
<211> 413
<212> DNA
<213> Homo sapiens

<400> 177
ttcctatgct ttttttctat tttaggcaca atgctttaat aaattacaca aagactacaa 60
acctttatta catcaattgt tacaaaaggc taagtggaga aagattactt atctgaagct 120
gcacaaaatc agtgggcaat atggatttca ttttaagcttg tcaattctcc tggattaaat 180
tcttggcgct gtctcacata ttcccaagtc ctacatgtag aatgctaaaa gttgcagtta 240
ctaggttggg aaagccatgc ccagacgccc ctgtgaaaaa catatcaata tattaagttc 300
cttagcaaat cacatctaga ttaagttcat aatgcttttt ttttttttaa ctttgcaaat 360
ctccaaactt ttgctacttt cttaataaaa tacaacaaaa tttttggcat tcc 413

<210> 178
<211> 233
<212> DNA
<213> Homo sapiens

<400> 178
aagcttgacc taagcataca cagaaaaaat taatatTTTT gttgttggtc tagattctat 60
tattcaggca ggctttctat attttccct taggtatcta tacttttagta tagatgctgt 120
cactgtgaga gactacagaa agcagggaaa atagaagttc tatagcttca tctaccaagg 180
aagatctagt ttaaaaccta gtaggggaca tgtcccaaca acttgaaaat tag 233

<210> 179

<211> 314

<212> DNA

<213> Homo sapiens

<400> 179
tatatacgaa ttaaaattta tttcaaactg ttttgtacat ctttttaaaa aatgaaaatt 60
caaaagtctt agaattaaga atgagtcttt gatatcataa agctgtgtat aacaataatt 120
aaagtagtgg taacatttta cccttgtaaa aatgtcacag aattaaaatc tcaacttgga 180
tcctcaatga ttcaactggt ttatcttaca caataagcgt ttggtcagtt tcaagataaa 240
atttccccag acatgctgtc cttaagtcct tctcctcac catccatcag ctcacacatt 300
ggggtagctg gctg 314

<210> 180

<211> 319

<212> DNA

<213> Homo sapiens

<400> 180
tttttttttc actgtcacca tgaatttaaa tttattgagt gccccacaaa tgctagtcta 60
ttctcagtac atttgatgaa caccatttct ttatctctaa aggatgagag aatatttgct 120
actatatatt ttttttgctc atcaccagc cagaatacaa atggaactcc tatgaatatt 180
ctaaagcata atgaggaagg ggtccaggc taaatgcaag tatccttgat taatgttttc 240
cccaccactg ggaatcaccc tccccgctc cctgaagct tccccacaag gtgcgggggg 300
aagcaggaga aaaaaaagg 319

<210> 181

<211> 194

<212> DNA

<213> Homo sapiens

<400> 181
ttttttttta caatgtgttt attggacaca caaaaaaact ttgcaaccat cataatacat 60
caatatttaa cctagataat tctgaaataa tttggattct ttcatttttc aggatttgag 120
ctcatcaatt atgttaaatt tcctatatc tgttacaaat ataatacaga tttcataagt 180
ctgccttgat tcac 194

<210> 182

<211> 247

<212> DNA

<213> Homo sapiens

<400> 182
ctagttttgt ctttttggca aataggagtc cctcagaatc tacacttgct ctgaaatgta 60
gaaaaattga ttcaataaag gacgggtggtg aaaccgtcct ttgagatatt ttacttttct 120
tcttaaagag catacacttt ttaatgatcg tgtgtgtgtg tgtgtgtgtg tctgtgtgtg 180

tgtgtgtgta aaccctttaa aaagagattt tggaaactga attctgggaa cgtttttttt 240
 tttttcc 247

<210> 183
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 183
 agagggtgat aaatgctttt aatccccaca ttccacacac gggggacgct gtcattcaca 60
 ttttcatatt tctgttctgg tgcagctctg tgctctcacc accctcatga atgagggact 120
 ttgatagatg cctggggttg tgggctctgc ggtactggga aggagataca caaaggggtcc 180
 tcggaggagg gtgtgggana gctttgaagg ggacaaccac tgcngacacc tggaggggag 240
 ctaaggggaa natcctgaga ctttaangag acattggaat ggcttgggc 289

<210> 184
 <211> 567
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 184
 attaggagat aagtttactg ttcattctac aaagacactt aactcatgga acactgagtc 60
 actctaacc ttgacttcat tacacaaaat gaaacacttc tgaagaaata cagaatttct 120
 taactcacgg caggatcaaa gaacaaaggc tcttgctttg gcatttcaaa gttgaacaga 180
 gtttctcaata agaaggccac agtcaaatac taatggaatc tcaactctaa attaaaatga 240
 ctaatcatta aactgttcaa cttagagtaa taaaagattt ctagatacag acccgctgg 300
 cctatagtca gtctgggaag ggctagaaag aaccaaccca tttgtgtggc ttccgtatct 360
 tccttgcaaca agcaatggaa acccagcagg gaaagcagtg gagctggcag agggcagggg 420
 gagaagacac ccagttagga ctgacgggag aggagaggcc agggcagcct caggtacagc 480
 tcatacctgn acttccttgg cctcagaaag ggttgctgtg attgnccatg ggtccctaaa 540
 ggccgccaga ggcctttggg ctggaaa 567

<210> 185
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 185
 gtggacactg aagtctctgc ttggttagta gtcattctaat agttgtacac ggatttcctc 60


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aaacacttgg aatcaataat tcaaccagtc tctgccaagg agctctgtgt gaatgctgag 120
gcacactcaa cactccgcca tgcaattgac aactctgcat tccctttact tatggcttgt 180
gcagantcga agatcagctt gaagtgaagag ctttaaggctt tcttggggtt ttectgagca 240
tctgcacagt cctgggcatg gatggagtcc tatttatgca tttggcagtc tagattgcca 300
ataacacttt ggaagctttt caaagtcctt atgaaaatct ctttttccag cttctccttt 360
taggcttttt atttagccaa ttgctttccc ccaactgtta tacattaacc ccaggcagcc 420
aca 423

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<210> 186
<211> 219
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 186
aattgataaa ctgagtttat attcacctat tggaaacagt acaacatatt ttacatcagg 60
ttatgaaata tggatgtttt actaaaagac aggaagagct ttttccagtc tttaaagtaa 120
atacatattc aaagaatctt aaggcatacc atttattcat attcatactt attgaaatac 180
tgtacatcca catacttcaa taaatagtta aaaaccnga 219

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<210> 187
<211> 477
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 187
gaccatata tctatttatt tatcttattt attatccgtc tctcccagct aggatgtaag 60
cctcgtgaag gtggaggagg ggggcttatt tctgaatctc cagcatctag attggtacct 120
gccacacaaa tatgtgctcc ataaacaaat gcactttttc ttttctgcac tccctggggtt 180
gcaggctgca tgcgaaanacn gtccctcaagg ccagggatct gtctcaagcc tttttgaaaa 240
ccaccccttt cctacgtgcc ccacacccag ctctagcagg gtgccctcct gccctgagc 300
ctgccctcat catgccatt gccgaggcct caggactgaa tcacattttt ggagtcttcc 360
caggataagc caataggcat cattattcta cagcgatgct catgtataat tataattatt 420
atcctatatg aacgatccat tgctgctgtg taattccaat ggnaattact gggccta 477

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<210> 188
<211> 501
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 188
ngaacgggtct ataagatcca gatgtttatt tcaaaaccca aacccttggt accttgaaga 60
atctttacat atttacgtaa tacactgtac attatatgca tggcctgttt atactatatt 120
caaaaagaga atattgtttt aaactattaa taaacaaaaa ttaattgata gggcagcatc 180
aatctgtatt ccatccttgg tccatggatt tccttaaagt atggcatcat gttcatctat 240
ggttcgatac cgaatgcctc ttcttgagta atacatcttg catccaatgt aaagaataga 300
taaaactccc agcggttaata caataccacc aacaaagctc ccagtatcaa attttgatcc 360
tttctttgct tcagaatgca tagttgttgt gattgttact gatgaagcag cagatgtcac 420
tgaactattg tgggggttacg gtcattgggt gatgttgata tctgagatgt gtncgtgtgaa 480
acacttggtt ggttttgggg t 501

<210> 189
<211> 310
<212> DNA
<213> Homo sapiens

<400> 189
tttttgaagg cttaagcaat cggggacgag ctttattgag gcaatcacat ccacatttca 60
gttgtttgca atgattggca aacggatgag ttaaaaaagc cttctgcttc cacactgttc 120
cgtctacatt cagaaagcag taaaaatata ttcgtgcaat gaacactttc caccttaagc 180
gtatcatgac agttcacaaa tttgccaca gacaatgcaa aacaatattt acaagataga 240
ccctttgtaa gttccaaatt tagatacttg tgggtgaatt ctaaaactaa catcgcatgt 300
ttttccaggt 310

<210> 190
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 190
ttcggttctc agtgttggaa agtaatatgg taaaacttct cttctccgag gacaatagaa 60
tagtatttgt tgtatagact gaaccatcct ccaaaatttg gaagtcagga tcaattgaat 120
gaattagatt tgcagctgta aagcactctt tcagggttaac tctaccaaca agtttctcgg 180
catctagttt ggaggggaaca tgtaatgtca catttttgca ggcactactg gcaaataatta 240
agatcgcgag ggtcagcagg agcagccggc agaggggtcc gttccaggag ccggacgggc 300
ggnctgcct ccatggagag ggctcggggc aggtcgcggg ccgancgtcg ggccgggggt 360
taggagggct ccgcggggcg agggccgcgn cggaagcgca gtctggggcc gctgctcagg 420
aggaacgcga agcganggag gttgggg 447

<210> 191
<211> 441
<212> DNA
<213> Homo sapiens

<400> 191
cattattata agctgaattt ttattttact aaattatcta tgtcaaaaaa attctgtgcc 60

tggcgtggaa	tttcaactcca	tcaagtgtta	caatgatttt	ttcatttttca	ttacaagcag	120
gagaatgaat	gtaggacaag	tgtaggaaa	catggcaata	aattagaata	taatttacia	180
aagcaaaaaa	attaacagt	taccacatta	ttactgagta	taaaataata	agcaacaact	240
aatcacaata	atacaaagg	aatttcgttc	tgtgttactg	aggataccta	tgtgacattc	300
attcaaacia	aaaagttcct	aatgaaatgg	actatttggg	aaatcatatg	tatctcacgg	360
ggtttaataca	ttaggggtaca	tttaccgttc	ccttttttagt	aggactttat	cccagtgcca	420
gatactgctc	ccaggtgtaa	g				441

<210> 192
 <211> 343
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 192						
gcatttatna	ntanttttta	tttttgcaca	ggaaaaacta	gtgagacaag	attcaaacag	60
tctctctctg	tgaatcatct	gtcagtggtg	atgatcacgt	taagtttcag	aagtgtagta	120
catgatactc	ttaacaattt	gtctaaagca	atgtttctca	accaggggca	attttgctcc	180
taaggggaca	tttaacaatg	gagacattct	tgggttatca	taactgggtg	aagaaggcaa	240
gggtatgtca	ttgggcatct	aggtgaggtt	gagggctagg	ggtactgcct	aaagntccct	300
accaatggca	cagggntacc	ccccnttctg	gtncceanca	cat		343

<210> 193
 <211> 409
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 193						
cctggcatta	tctttttttc	ctcctacagt	ttctttttaca	gagtccttcg	tggctatagg	60
tcggaacagt	tttcctgttg	ctatgagaac	ggcataaata	agtcaagttt	aaaattcact	120
ttgggggtat	ggagccgcca	cagttccggc	tacctaagcc	ctcctgggtg	tgtgttgctg	180
actcttcctc	ataggcagtg	gatcacagcc	atttaacatg	gccttctctc	accatggccc	240
atcttctggn	cagaaaaatn	ccacaagcct	ngcagagngc	cctctaactg	cttgggcttc	300
tacacacaga	cctagtaatg	gtcttctgtg	ctgcaaggag	agnaatatna	agctcaacat	360
ttaacatttc	tccaagtnca	gaaattcatg	ggcctcccaa	actccacca		409

<210> 194
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 194
gtgttccaat aaaactttat ttacacacat tgaaacctga atttcataca attttcacgt 60
taccaaatth taattttttt tcaactatth aaaaatgtta aaaccattct tagctcacag 120
gctatgcgaa anagancaac cagccagatt cggcccacgg ttttaaggcca gtttaagcct 180
caccaccttc ctagecccaac tcacctatth tgtcctctca tcttctctgtc cttcagcacc 240
cccatgacct tctgtgacc ttcaatggcc cctccagctg ccgtccagcc ctgtctgtct 300
gcccttnggg gacctctctc tcttgggctg caggactgtt ttttcttga gcaggtctct 360
aaatagctcc attgccttg gcaggggaa tccag 395

<210> 195

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 195
tttttttttt tttagattht gagggcttht aaataatgtg tgtgtgtgcc tctgtgtgtg 60
tgtgtgtgta tttttttcta gatactagtc ctttgttga tgtgtgattt gcaaataattt 120
cctcccagtc agtagcatgt cttttcattt ctcttttctg ggcctttcac agagcagaag 180
tgtttaattt tgatgaagtc cactctatcc atttttctth ttatggatca tgcttctggt 240
atcaagaact ttgcctctct ccttagatcc cccaaattht ctcttttatg ttgttttcta 300
aaagtattat agtttacgtt ttacttttaa gtctatattc cattttcagt taattttgta 360
taaaatgtga gacttaggtc tgggttcatt tttnttgttg ttgccatgg atattcaatt 420
actcccaaca tgatatttgg tcgaaaaggc ncttttttgg ccaatgaatt ggtttttngc 480
ac 482

<210> 196

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 196
tctggcgggc taacgcttha tttncacgcc aaggccccgg gccgcctgng tttctgtctca 60
gaagatcttc acggagtcca gctgcacgtc cccgccacc tccaccaggc gcacgngca 120
tgccgcatgg cgggtggcgga agtggtggtg ctgggcgtcc ccaaccacgg ccttgaagcc 180
gtcgtctgac gcatgatga gcacctcgaa gggctgcccg cgctggaaag gaacgcccg 240
ccgcgctcc tcgcgcccc aaggaagcct tgcctcttg ctgttgaaga ccacctcga 300
cgtgtccagc cgggggttga aatgcagcgc ggcacggag ccctgctct tccccgcaca 360
gcaggtttta caatggaacc ttgcttnggc atttggg 397

<210> 197
 <211> 513
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 197
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 gcatgggcat gcattacatg gttcataatg ctattccaat taggcctttc atagtgcctt 120
 ctcataacgt ccttttaaaaa aaataataac tgaaagggaa aagaaagtgt caattgcaat 180
 tacattttaca aaaccaaact gctgctttca attagagtga atctgtgctt cgctactcag 240
 atatacacat gtagattttc caaggcccat gcacacactt ctgtaggggc agaaattttc 300
 tatgaataat ggcttttagca acccgaatag tatctctaaa cattgacaag cttggggaac 360
 agggcaacaa gtgcaatgaa caatacaatt tctaacgttt gtcccagtca acataccact 420
 ttgccctgga gatatttaac acagcatttc atttttggaa tgataagggn taattcntcc 480
 aatttanggg gattatacng aatataccna taa 513

<210> 198
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 198
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 attaagtcac aatcaccatt caaagacaaa ttttcctctc aaaataataa tttccattct 120
 gctacctaca gtttggttta tcctttgggc tgatagccat acttcatctc acgaggacta 180
 tacaagtatg tactatgtac aaaacatttt caagtttgc tcca 224

<210> 199
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 199
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 aaaaatacaa ttgattttct gtatattgat ctagcctgtg accttgctga acttgattaa 120
 ttctattaca ctatgatttt ttgttgtggt tagaccctta cacaatcaaa tgagggttaa 180
 aaaaaattgt cagagtggcc ccagaccaac aacaggatga cagtagcctt tgcccataca 240
 gagataaaat ttagtttttg cagtcctttc ccatagagat tgtatggcag tagcaattct 300
 atggcctact gccatacaac ctgaactgaa gtccagaaag tttaggtgac tgggccacag 360
 agctaattac tgggtggagcc aagaagagaa attatatccc tacctccttg ccactaagc 420
 tccccattcc agtgggctgc tttctggt 448

<210> 200
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 200
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gggacaaaaa agttgccccca aaaagtccta gggaagctta tgggtacact taccttgctg 120
gagaatggtg ccatctgcat taactggttg atagacgatg gtctgccctt cagcagtctg 180
tgcacttgct gtccctggac agaattcgtg ctgcatgtgt ctgggtctggc cagcagtgc 240
agccgtctgg ggctgctgga tgatgatctg ctgggtctgg cctgctggcc tgcacctgca 300
cagcctgtcc accctggatc tggatctgtc caggtgggac caactggtat ttgctgcaaa 360
ccctgtgttc cagaaaca 378

<210> 201

<211> 403

<212> DNA

<213> Homo sapiens

<400> 201
caagtgaaaa taaaaattta ttccaagttc aaagtcatag agaggaactg aagtcacag 60
gtgcaggact ggggtcagga aagggaagg actttgtgtg gctttatatg aaggaacgag 120
tttaacatga ggaaggaacc atgaaccaga gataaagaaa gcctgtgcag aaagttaaag 180
gatccttttc ctgtttctta gctgacaaaag actttcttca gctagccata aggcaactgt 240
caaatatcat cacatttatc ttgaaggata aaatttgtgc aagctcaatt gaacagcaag 300
aactagatgc aaggaagaag tcagccagga tgactgtggg gctgggtcat ttctcagctt 360
gttagagact gagccagag atagtcttta gtccagactg tta 403

<210> 202

<211> 393

<212> DNA

<213> Homo sapiens

<400> 202
ttttagaagt gacatattgt tatattttca ccataggttt gctttaagaa atagtgtccc 60
cttcagaatg gaagaattta tctgcctctt atttgatgtg gatcagagct aagatggctg 120
actaaataaa catgggggac tgggaatctcc ttggagatac tctggaggaa gttcacatcc 180
actccaccat gattggaag atctggctca ccatcctgtt catatttcga atgcttgctc 240
tgggtgtagc agctgaagat gtctggaatg atgagcagtc tggcttcac tctgcaaag 300
aaacctaatt gctacggggg ccggaagagg aataggtgcg gctccgacag ccagaggggc 360
gggcatacgc agcctccctc ggctcagcct gct 393

<210> 203

<211> 395

<212> DNA

<213> Homo sapiens

<400> 203
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acaaaaacat gacttgtaat tattcaata aggtaggatt tttctcttaa gtacacttct 120
taaaagtcat tcacaagaca actgggcac cactaagacc aaggcactgt gggggaggca 180
aacagcaca catcctcacc tcaaggagct cagcctggga tgaagacaga cacacacaac 240
tccagcatga ggccaagggg tagcctgtta tgggatcaag tgggtggcaga atcaagaagt 300
ggttctgaaa gtgttcttta gtcacagaga ccagtaggtt tgaaaccag tgatgttact 360
ttttaacttt gtgccttacc tactataagc ctcag 395

<210> 204
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 204
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 gatactcctg tctccacctc ccaaagtgtc gggactacat cacagctcac ttgaa 115

<210> 205
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 205
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 ctgcattgct caactaatga atgcaggaag gactgcatga ggccagcacg gcacgtcctc 120
 acaccagcag ttcttcttgg tctgagtcct ttcttggtcag cagcagagag aacagagaaa 180
 ggcgaacact gtgttcatgg tgcatttgta attaatgtat tataattatt ttgtatcttc 240
 tgtagatct tctgccttga ttccagtggt ccaaatacaa aagtattgac tactgtccct 300
 gatgtgaaga gcaggatcta ttgaagccga acacatcctc ttccagttcc aggtaggagt 360
 gcagtaagaa gagttttctt acaggcatga tgcgtgtgat ggataagtgt g 411

<210> 206
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 206
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 tggccttgac aatctccatc aaagaaacca aataagcatg ttaaggaaac atacagtata 120
 tgaacagtta attcttgtat tgcttggaca tcaataaatc taataaaaac gaccaagaat 180
 agtcactcag ttttacaata tagaaggcag agaaaactct gacactccaa gttgtgaaga 240
 caatgaaaca ttccagtact ccattagagg actttttgta tctacagctg cctgtgcttt 300
 gaaggtaaaa acccagaatt taaattcaaa catattcagt taatgcactt atgcatttta 360
 caaattttttg ttctggtata gcatatgaaa gggagctata tctgccccca tttc 414

<210> 207
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 207
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 aatcctctga gtggcacccc aaaattgaga aaggcagaga aatgaataat tcaataatgc 120
 tgaaagtcac caatgtaatc aaaattccca agaacaggac agtaacagcc ttacactgac 180
 tattttggtg agaataacca caaatgtagt ttgatctag gatgaaacca aatgtgagga 240
 gaatgattcc agctattgct cccagggcac taagaaaatt cattattcgg ctcaatatta 300
 tcagagtttc tgtggttttt cttttcactg caattaggag ggctccagaa ttaatgaaca 360
 aaacagagcc ccagaatgga ta 382

<210> 208
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 208
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 ttaaaaggag aatggagcta ggagttgaga gaggcaacaa ataatgagag agcagaaagc 120
 aaatccacaa aaaactgtca catgacagag gccagaatgg agctgatgca gctgcgtcat 180
 ttctacaga cctagttgac catgtggaga agaggcttga acaaatgggg acgttctcca 240
 accttccaaa tc 252

<210> 209
 <211> 429
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 209
 ttttttagtg tcagtagaag gtagctgtta tttattgttc tattctgggg taaaggtatc 60
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 agctatcagg aaaccatcct cgcgtaaaac gaagcagcgc tacagaagtg ggctgccatg 180
 ggaatcggga ggcccaggtt ccaactgctaa cttgctgcag cttactgggt gattgtctct 240
 cgcgagaaga cgggcgcgc cggcgatacg gattccgagc gagtgggtggg ggtagtgggtg 300
 gtggtggcgg ccgagacgcg gcggccatat ttggtgaggg ctcgggagcg gcagacnngg 360
 ttcagctggg agtagcgtct gccctttttc ccaccaccg tccgcattctg tgtgctgcgc 420
 gaagaggca 429

<210> 210
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 210
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 ccaagagact cttggagaag caacacagtg gaagactttc actatcagat agcaagacct 120
 tcaagttatg agaatgaaga gagtgactta aagacttaca aagagaccaa caggacaaaa 180
 aagaaagtcc agaaacatat ccacacatga atctttgact tatgacaaaa ttggctctgt 240
 agagtagctg gaaagggaaa gtctttttaa taaattgttc tggattaatt tgatatccat 300
 ctggggaaaa aaaaaacaa aaaacaatat tgacctctac ctcattgtcat acctaaaaat 360
 caattccagg tggactgtag atttaaattgt aaaaggtaaa ataataaaac tc 412

<210> 211
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 211

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ctcaattatt	ccagttaatg	gatttcacgt	taaatagttt	aactttcaat	gggctttctg	120
aagagctgtt	cataggatga	tatttggaag	agtcctttcc	ttaaggaaaa	aaaggggtgaa	180
caataaataa	agagttactt	gcgttaacgg	tcacgttatt	tcattaaaag	agag	234

<210> 212
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 212	tttcttcatt	ttcctagcaa	ctaaaacgaa	caaaaagaag	tactgaaatg	caggactgac	60
	aacttaaaat	aattccattt	ttgtttctag	tttttttctt	gaacgttaaa	gacttaaacg	120
	ataatcactg	cacatagaaa	ctaagtattt	ttgtcttaat	tgaaaattag	ttattaactc	180
	ataaaaagat	ataaaatatt	cttcaaagtt	aaagccctaa	atttaaattg	gtttatgtaa	240
	gaaatccgtt	gacactgatg	aattaccctc	actaaggctg	ggaggaggag	aataatcttc	300
	catgtcagaa	tctgacggac	ttcggtttcg	ataacgacca	ccacctgaac	tcc	353

<210> 213
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 213	aggcaatcct	ccctccttgg	cctcccaaag	tggtgggatt	tcagggtgtga	gccactctac	60
	ctggctgaga	cttgcctctca	ttttttaaatt	caaaaaatgt	tttccataga	tcggccgcct	120
	gtggaaaaag	gtgactcagg	cctgtaatcc	cagcactttg	ggaggcctag	gtgggtggat	180
	cacctgaggt	caggagttca	agaccagcct	ggccaacacg	gtgaaactcc	gcctctacta	240
	aaaatagaac	aattatctgg	gcatgggtggc	aaatgcctgt	gatcccagct	attccggaga	300
	ctgaggcagg	agaatcactt	tagcccatga	gacaggggat	g		341

<210> 214
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 214	caggttcaag	ttgaacagct	cctctttaat	caaagggaga	acacagatgt	atcaaacaga	60
	gtaggaaaga	aatgtatcaa	aagacagtag	gaaagaaagc	ctttccttct	tgaaaggctg	120
	agggtgagag	ggaaagctaa	tttatcacta	caactctatg	gtagctttcc	atgctaaatt	180
	ttccctgcct	cttttgtgat	tttttgatat	ggaagagtag	gggttatatc	ttctctgtaa	240
	caattaggcc	atatttcctt	ataccaagta	gaggtgctca	aacactgtag	tggtattaaa	300
	gggctgagga	gagtaactga	agactggcat	acagaactcc	acctggagga	c	351

<210> 215
 <211> 417
 <212> DNA
 <213> Homo sapiens

<400> 215	ttttaatgtt	gaagactcca	ctcagtcatt	tgagctccag	gaagccttcc	ctggccaccc	60
	ataagttaag	agaaaagccc	ctcttctgag	ctcccagagc	accacttca	tacctatgct	120

atagaacaca cgcgaagga cggaaattat ccaaaggttt gtgtccattg attgccatgc 180
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cacctccacc agcagctggt aggcagcaga gctattgtta ctgagctgcc cacggaccaa 300
tggatctatg aatgaacctg aacgtcttcc ctggagaaaa gcacttgctt gtcaaggag 360
gaacaggggt ctgaaatgct aaccctgcc ctatagtatg ggtgtgcata cggtgca 417

<210> 216
<211> 454
<212> DNA
<213> Homo sapiens

<400> 216
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ggggactgtt gtggggtctt tagagggggg agggatagca ttaggagata tacctaattgt 120
taaattgacga gttaattgggt gcagcacacc aacatggcac acgtatacat atgtaacaca 180
cctgcacgtt gtgcacatgt accctaaaac ttaaagtata aaaaaaaaaa gtcaggaaac 240
aacaggtgct ggagaggatg tggaaaaata ggaacacttt tacactgttg gtgggactgt 300
aaattagttt aagtattgtg gaagtcagtg tggcgattcc tcagggatct ggaactagaa 360
ataccatttg acctagccat cctattactg ggtatatacc caaaggatta taaatcatgc 420
tgctataaag acatgcacac gtatgtttat tgtg 454

<210> 217
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 217
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taccctccc taagccctta gtgtgtgccg agcttgcttt ntgatgttgg caggggaggg 120
gagacctggg tggtnctga gttcccttta tcaaaccctt caatgggcac aaaattgagt 180
gcttnnttnn taggttttat ttnnnmatga atgtccaaat ctgtgtttcc cctgccana 240
acagactgtg tggccagttg aaagtgtctt ggtttgtggt tcatctctcc ctcatcttct 300
tggaggcagg gctgaganc cctgncanaa tctcctatgg ttntgaatcc acggcttctt 360
tttgacatt aaaggttgat ttgatgc 387

<210> 218
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 218
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ctgcaacctc	tgcctcctgg	gttcaagcga	ttctcgtgct	tcanccacct	gagtacctgg	120
tattacaggt	ggctgccacc	atgcctggct	aattctgtat	tttttataga	gacaggtatc	180
tcattatgct	gccagggctg	gtcctgaact	tctgagctca	agcaattcac	tcaccttggc	240
ctcccaaaag	tgctgggatt	acaggtgtga	gccactgcac	ctgggttgaga	cactactttc	300
acacactttt	acatttcaca	cttctatgaa	gacaggggtc	gcaatctggc	aatgtctatg	360
atttagtggg	aggtagaagg	aggcccaggg	acagaaacat	aaactttcca	tgtcaggatg	420
ttggctgtga	caagcatgcc	caagactttg	gacatgattt	ttctgttcta	gatctgtttc	480
c						481

<210> 219

<211> 478

<212> DNA

<213> Homo sapiens

<400> 219						
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ctccatttcc	caggetcaag	caattctcgt	gcctcagcct	cccaggtagt	tgggattaca	120
gtcatgtact	accatgcccg	gctaattttt	taatttctctg	tagaggtggg	tgtttgtcat	180
gttggttagg	ctggctctga	actcctggcc	tcaagtaatc	tgcccatctt	gacctcccag	240
agtgttagga	ttacaggtgt	aagccattgt	gcccggcctc	catgatttta	gaaacaccgt	300
ttttctttac	ttaatttttt	cttaattaga	aatgggcccc	gacatccaac	aagcaattat	360
tacttaattt	aaaaatttca	ggatttttaa	atatatgaaa	actctattta	caagcattta	420
tttttaattt	attggagatg	gagtctactc	tgtcacccag	gctggagtg	agtggagt	478

<210> 220

<211> 623

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 220						
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tgcagcgctt	gataaaatag	agcccagtat	tctgaggtta	gtgaagaaaa	cacaaagact	180
tgacagatgc	actcccagat	cgcactctac	agtcattcaa	ggtttagggc	aaagcatttn	240
catgtggagn	ngnaccttna	ccttntcccc	nccagtcatt	catcttggaa	gttccttggc	300
taagtctgca	gggaaggaga	agcagcaggc	ttgatttgca	tcaataaaaag	cagcgatctg	360
tgctggccat	gctaaccctg	ttggctatta	gggggtgggg	gcactctgtc	aaggggagtc	420
actgggacgg	tgtaggatcc	agccttcaga	gcctgctggc	ctgaccgtag	aaggaggaac	480
ctgcacacac	cctgctgggt	ttagttcacg	agcagctatc	aaagcctgtt	agccatcctg	540
gttacctgct	tgtgccagan	agaacttact	gtcccaggta	agcnccta	tttttaagtc	600
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<210> 221

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 221
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cctctgacgc catcacctcc tcctggcccc acccaagggc tcgacacaag cccaagggtc 180
ggggggagag gggcggggcg gaaccgaggg cggaggcaag gtgggattcc aggaaggcct 240
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cttgtctggc cagtgtgggc acaaggacac tgtgccactg gttgagttag tggtagggga 360
ttggaggtgg ctcccagagg actccatctt gcatggccct ggccttgtgg cttccagnag 420
gcttgccctg gctgtgggta agccangagc anatgcg 457

<210> 222

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 222
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acacaaaagt tgggaagaga aggatgtcaa ttagactaca tcaaaatctg ggcagaggga 120
ggacaaaagag ctgcctaaag aaactggttag ctggagcaaa ctgcagagnt caagatgacc 180
ctagtccacg gaaccagcag cccaggncag ccacnttcag gngcaccacc cgnggcacgg 240
cagggagagc aaagttgctg gccccantca ttctctcttt tcagggcagg agaggcagaa 300
gctcactntt tagacatgtt cttga 325

<210> 223

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 223
acagtaatgg anttnaaacc aaagtgatag ttctttatta tagcaaagtg atagtttttt 60
tatttaaaat aagttatttt ttacaacctc cttatataaa agatgtttat gaaagaaaaa 120
attgagtgtg tctcggtgcc atttttttta tgcaatgaat gatatccatg aaaaaggaac 180
atctgaatct tttgttttaa aagacagtgc agggatatagg tggattttat gggnggatac 240
atcccgata aatttgccat aatggaaatg agggagaggt ggtataataa tttttttcta 300
ctgttatccc ntctagggcc ctgacttgct cngcatgggg gcccaagggg gnggt 355

<210> 224

<211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 224
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 gaagcgggggt cttgggtttgc cgtctggggc atatgccgga gatattctttt tttgttataa 180
 tgccaaggag gcgcccattg tgagttacaa ggcactgcct cagtcccagc tttcggaataa 240
 tatccaccac gatctccatt ggggtgtggg tctgtcactg taaaaggggc tcatgtcaag 300
 gaatgcttcg aagcttcaat gggccgaggg actttctgct ggggaagaga tgggggggnt 360
 gctgtgcaaa acacaccccg aggaactgcc cagntaccn tcttggtttt tcccggggat 420
 tttctntttg caa 433

<210> 225
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 225
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 ttctctgacc aaccctggaa atacttcatg tttctaaatg tgcttctga tttttccaga 120
 gtcataaagc tgatgtgtgt gtggtgttgg ctgttttctt cacagtctca tgccagacac 180
 acaacataa 189

<210> 226
 <211> 222
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 226
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 ggggtacttt gtggttaaga aaatggggga ccacatctgt tggagagtgg gcatttgaca 120
 acaatggggc aggtaccccg catgtaaaat caaaatntaa gggctctttt aagggctgga 180
 aaagttgctg ctggggcatt gcagttaatg ggtcagacat tt 222

<210> 227
 <211> 570
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 227
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gtcatctgca nnaagaccgg agttgcttcc atgtcactct cctctcaaga gaagctgcta 180
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agcacagcgt tcttacgggc cagccaggga atctttccag aaaggggntt gagagtttcg 420
ggccccctgat gggagcggct catttgctgg ccgtgaacgc tgggtttccc gtgatagctc 480
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catggcgtnc gggtcacgtg atattcgtag 570

<210> 228
<211> 179
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 228
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agcaataaca ataggaaatg tggctctgaa aataggcttg tgaagataaa tctacttcat 120
tctacccaaa ccctttaaga tacacattca ttngtaagaa tttaccaagc atctgccat 179

<210> 229
<211> 388
<212> DNA
<213> Homo sapiens

<400> 229
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gtttaaacat ctcttggttg ctatggaggg tccaagaaga aaacaaaatc cattagtata 120
aaggtttgta ttgtctgtga cctctattgt cttagagac agagtagaca gaagaaataa 180
caaagtgtga gtcttggaat atagatgagc ttgtgatgaa agacggaaca gagtgaacgg 240
tcagagctgt tggaggaaga aagcaggaag ggcaataaag gtccaagtgg tagccagagc 300
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ttctgagtta cattttttta aaatgtaa 388

<210> 230
<211> 250
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

<400> 230
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 ctagtaattc cctcctccct atcccatagc caagtagcca cccctcaa at nagccattcc 180
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<210> 231

<211> 3041

<212> DNA

<213> Homo sapiens

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 gaaatgaaaa gcaaaactat aggttgtatt taaaaggcca cactgggaca gcaggaaaac 420
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 gtatgtgcaa atgtgccctc atgttaacag gaggatgggt gtttgatgct tgtggccctc 540
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<210> 232

<211> 1311

<212> DNA

<213> Homo sapiens

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tagcttcatt	gttctctgtt	cacagggttc	ctgaaatgcc	aaccaatgc	c	1311

<210> 233

<211> 1206

<212> DNA
<213> Homo sapiens

<400> 233
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catttttggt gaagaacttg aaagacttct taagaagaaa tatgaagggc actggtatcc 180
tgaaaagcca tacaaaggat cgggggttag atgtatacac ataggggaga aagtggaccc 240
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gccacaggat cttagtgttt ggatcgaccc atttgaggtt tcttaccaaa ttggtgaaaa 360
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taaaaa 1206

<210> 234
<211> 3058
<212> DNA
<213> Homo sapiens

<400> 234
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<210> 235

<211> 4517

<212> DNA

<213> Homo sapiens

<400> 235

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<211> 423

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<213> Homo sapiens

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<213> Homo sapiens

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 <211> 1029
 <212> DNA
 <213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 2373

<212> DNA

<213> Homo sapiens

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<211> 2393

<212> DNA

<213> Homo sapiens

<400> 254

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<211> 2542

<212> DNA

<213> Homo sapiens

<400> 255

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<210> 256

<211> 798

<212> DNA

<213> Homo sapiens

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<210> 257

<211> 2685

<212> DNA

<213> Homo sapiens

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<210> 258

<211> 1972

<212> DNA

<213> Homo sapiens

<400> 258

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<210> 259

<211> 1857

<212> DNA

<213> Homo sapiens

<400> 259

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<210> 260

<211> 2553

<212> DNA

<213> Homo sapiens

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<211> 2258

<212> DNA

<213> Homo sapiens

<400> 261

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<211> 1100

<212> DNA

<213> Homo sapiens

<400> 262

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<211> 4198

<212> DNA

<213> Homo sapiens

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<211> 2002

<212> DNA

<213> Homo sapiens

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<211> 1358

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<213> Homo sapiens

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<213> Homo sapiens

<400> 270

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<211> 990

<212> DNA

<213> Homo sapiens

<400> 271

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<213> Homo sapiens

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<211> 167343

<212> DNA

<213> Homo sapiens

<400> 273

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<210> 292

<211> 816

<212> DNA

<213> Homo sapiens

<400> 292						
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<211> 1475
 <212> DNA
 <213> Homo sapiens

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 <211> 1283
 <212> DNA
 <213> Homo sapiens

<400> 294
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<210> 295

<211> 168

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<210> 296

<211> 304

<212> DNA

<213> Homo sapiens

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	TTTTTTTact	gttcttctc	agacattcaa	acgtgttttg	atcaaagaag	aggagtatga	180
	ttctattata	gtatataact	cggctcttcat	gcagagactg	aaaacaaata	ttttgcagta	240
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<210> 297

<211> 701

<212> DNA

<213> Homo sapiens

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<210> 298

<211> 1953

<212> DNA

<213> Homo sapiens

<400> 298						
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<210> 299

<211> 649

<212> DNA
<213> Homo sapiens

<400> 299
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<210> 300

<211> 4003

<212> DNA

<213> Homo sapiens

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<210> 301

<211> 4003

<212> DNA

<213> Homo sapiens

<400> 301

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<211> 522

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<213> Homo sapiens

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<211> 269

<212> DNA

<213> Homo sapiens

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<211> 271

<212> DNA

<213> Homo sapiens

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<211> 278

<212> DNA

<213> Homo sapiens

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<210> 306

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 306
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<210> 307

<211> 491

<212> DNA

<213> Homo sapiens

<220>

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<223> n=a,t,g or c

<400> 307

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<211> 260

<212> DNA

<213> Homo sapiens

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<211> 169

<212> DNA

<213> Homo sapiens

<220>

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<210> 310

<211> 313

<212> DNA

<213> Homo sapiens

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<211> 532

<212> DNA
<213> Homo sapiens

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<210> 312

<211> 263

<212> DNA

<213> Homo sapiens

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<210> 313

<211> 6252

<212> DNA

<213> Homo sapiens

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 <211> 371
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 <213> Homo sapiens

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 <223> n=a,t,g or c

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 tatcatatag acaggcttct gatagtttgc aactgtaagc agaaacctac atatagttaa 180
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 aattcgggga tttnagggtc ncngaatagc ctatatatgg tgcacgggnt aggtcattat 300
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 gcacccaag ctgcagagca ccaagcgctt catcaagtgg tacaacgcct ggaacngaa 180
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<210> 317
 <211> 382
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382

<210> 318

<211> 344

<212> DNA

<213> Homo sapiens

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aaagccccac aagagaaaat ttatgaagat tggggtgagc cctcctgcta agcagctgcc 120
agggggcaga attcacttct ctggttatga caatgaccga ccaggcaatt tgggtgatcg 180
cttctgtgac gtcaaagacg agacctatga cttgctctac cagcaatgcg atgccagacc 240
agggggccagc ggggtctgggg tctatgtgag gatgtggaag agacagcagc agaagtggga 300
gcgaaaaatt attggcattt tttcagggca ccagtgggtg gaca 344

<210> 319

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 319
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ggacagaaga aaaaggcgct cattgtgggg cactgcatgc ctggcccccg aatgaccccc 300
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gtattnaaga cacngtnccc acctaggctg tgggaggggtg aagggcgagt tttcccaagn 420
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<210> 320

<211> 2409

<212> DNA

<213> Homo sapiens

<400> 320
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gatggccact cacgctgggg gaccttcagc aacctctggg aacacaacca agcaatcatc 480
aagcacctcc tcgaaaactc cacggccagc gtgagcgagg cagagagaaa ggcgcaagta 540
tactaccgtg cgtgcatgaa cgagaccagg atcgaggagc tcagggccaa acctctaag 600
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457

<210> 322

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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gatacataga aaagatttta ttttaaaatg agttgttaaag cttgtgtttc tttgttgctg 180
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acacacacac acacacacac acacacacga aaaacaaagg aaaaaaatgc ttgagctttt 300
tctaacttcc ccttgagtc tgttggtgtga gcagcctgtt tatttcntct aatattatgt 360
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<210> 323

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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aaggccagcc agcttnggag cagcagagaa ataaacagca tttctgatga aaaaaaaaaa 360
aaaaaaaaacc gcggccgaaa gcttattncc ctttaagtaa ggggttaatt tttagcttgg 420
gcactnggcc ntcgttttan aacgtcgtga attnggaaaa cc 462

<210> 324

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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cttttctttt agtggttctc tgaacaacag ggagaatatc tctgatccca cctcaccatt 120



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<212> DNA

<213> Homo sapiens

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<221> misc feature

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<210> 326

<211> 1574

<212> DNA

<213> Homo sapiens

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	aggttttatc	cctgggtggt	caagttcccg	aggcatggga	agaacttctg	acaatgaaag	180
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<211> 480

<212> DNA

<213> Homo sapiens

<220>

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<213> Homo sapiens

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<210> 329

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<210> 330

<211> 327

<212> DNA

<213> Homo sapiens

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	gctcatccca	ctgatgacac	cacgacgctc	tctgagagac	catccccaag	cacagacgtc	120
	cagacagacc	cccagaccct	caagccatct	ggttttcatg	aggatgacct	cttcttctat	180

gatgaacaca	ccctccggaa	acgggggctg	ttgggtcgag	ctgtgctgtt	catcacaggc	240
atcatcatcc	tcaccagtgg	caagtgcagg	cagctgtccc	ggttatgccg	gaatcattgc	300
aggtagtcc	atcagaaaca	gggagct				327

<210> 331

<211> 476

<212> DNA

<213> Homo sapiens

<400> 331						
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acttcataat	tacattgtct	gatttagaat	gtgattacat	taatgctaga	tcatgttgct	120
caaaattaaa	caagtgggta	attccagaat	tgattggcca	taccattgtc	actgtattac	180
tgctcatgtc	attgcactgg	ttcatcttcc	ttctcaactt	acctgttgcc	acttggaata	240
tatatcgata	cattatgggtg	ccgagtggta	acatgggagt	gtttgatcca	acagaaatac	300
acaatcgagg	gcagctgaag	tcacacatga	aagaagccat	gatcaagctt	ggtttccact	360
tgctctgctt	cttcatgtat	ctttatagta	tgatcttagc	tttgataaat	gactgaagct	420
ggagaagccg	tggttgaagt	cagcctacac	tacagtgcac	agttgaggag	ccagaa	476

<210> 332

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 332						
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tactatgtat	acatttttct	tatatagct	tagtagttct	tagaaaagaa	aacctcatta	180
atttgaatct	tcttatatgc	aatctngat	tattcagaca	gggtgaagct	gaaatttaca	240
tttaaattat	aaatttttaa	atgtttgcag	tccaattgaa	tcctataagg	taagagtcta	300
gaaaaaagtt	attaaaaaat	aaacatttta	agtgttttaa	aacacacact	tg	352

<210> 333

<211> 456

<212> DNA

<213> Homo sapiens

<400> 333						
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aagtacagtg	atagctcccc	ctgggcaata	caatacaaga	acagtgggtt	ttgtcaaatt	120
ggaacaagga	aacagaacca	cagaaataaa	tacattgggt	aacatcagat	tagttcaggt	180
tacttttttg	taaaagttaa	agtagagggg	acttctgtat	tatgctaact	caagtagact	240
ggaatctcct	gtgttctttt	ttttttttaa	ttggttttta	ttttttttta	ttggatctat	300
cttcttccct	aacatttcag	ttggagtatg	tagcatttag	caccactggc	tcaatgcgct	360
cacctaggtg	agagtgtgac	caaactctaa	agcatttagt	ctattatcag	ttaccaccat	420
ttgggggctt	ttatcccttc	atgggttatg	atgggtc			456

<210> 334
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 334
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 gagccttggt aatgtaccgg cgctgcagga agaggctgtc cgccgagcct gggctgctcc 120
 agctacgcgg ggaggcggcc ccattgcaaa gtgcagtttc tccgcggagg tggcgggtggg 180
 tcagtggcag agggccatgg tttccatggt aaggaagcgg acgtgcatct tggctctcaat 240
 gtcgatcccc tgccagatct tcaggaagtc ctgcaagggtg atccccctcg acacctgac 300
 aggctccatc ttgccccatg cacacgctgg ccgcctccat catggccccg tcggcgatgg 360
 agcgagcggg ctcttctctg atgtgagggt ttcccgcag cagctcctcg accactttac 420
 atttcgagg 429

<210> 335
 <211> 552
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 335
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 aactctcccc aaaataaata tctcctcccc gctttgggga gttggggggg tctgtatctt 120
 agggccagcc ctctagtggt gccagcnccc tagtggttaa aatagggtccc taacccccca 180
 ggggtgacccc cgtggtggaa tttcaggaca tctgagttag tggggcctag tgtcaagtct 240
 gccccccaag tcagcctggc ccccaggntc ctaaggaagg agggcacccc cctccccctgt 300
 gcaaagtctg cagttcctta gtcagtgtca gctgttttgt gtgagccagc gtgaggctcc 360
 ctttctgttc tggagccaga ggagnngcaa ccagacanct tgggaaggttc ccctgaaccc 420
 tgggcccagg ctncggaggt gattcacgcc ccnaaacccc ttgtggttg aggagcttgg 480
 ctccggccgc gtctgggagg cagagaantg ggctctagaa tggatgaatg aatgatgaat 540
 gggcnagccc gg 552

<210> 336
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 336
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 taaagataaa aaagaaatca tcaactttgt agttcctcag cttcaaacc aaacctgcaa 120
 gggagaggag agaccagac gcctcaggga ccaggcagat aatacaaata aatgaaacag 180
 gccaggtgag agagtacaag tcttgccaaa agaagaaacc cctacttagt ttcaattgat 240
 tgtcctcttc tgaaaatgca gatcagaatt gccacacatt ctgaccgatc gagagaggcc 300
 agaaattcta attttactcg tgccg 325

<210> 337

<211> 401

<212> DNA

<213> Homo sapiens

<400> 337

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ggttaaataa	ctccagaaag	tccaatctct	ccagtgagta	acgttaaaac	cattacacat	120
gagcatggga	gaatcgcttc	cattagttta	ggacagagag	attttgcttt	ttacagagta	180
aatcagtgct	caaatagata	cttcctcaaa	tatgtccttt	ctacattctg	aacagcccaa	240
gtgcaataag	atccttcccc	ctttccaatc	aagaaaatgc	cacttttcta	cttgcctctc	300
ctccccagac	atgagtctaa	ggacccaaag	tgctcactcc	tttactgctt	gttaagtgtg	360
atgtggggag	gctcagaact	ggggctgacg	ctactgagag	c		401

<210> 338

<211> 154

<212> DNA

<213> Homo sapiens

<400> 338

tttttttttt	ttttttttta	gagatggaat	cgcaagaatt	cccaggccct	ctttttatatt	60
acagtgatac	caaaccatcc	acttgcaaatt	tctttgggtct	cccatcagct	ggaattaagt	120
aggtactgtg	tatctttgag	atcatgtatt	tgtc			154

<210> 339

<211> 401

<212> DNA

<213> Homo sapiens

<400> 339

ttttttacgaa	accaggttta	ttaaaatttc	tctacaagtc	agaaacggcc	atctcactgt	60
tcacatatat	acacgtatgt	acaggaagaa	cctagtgttt	ctagctttcc	cggcagaagg	120
ccctgccagc	ccagagtcct	tagtcggata	atgtatcaca	gatacaacag	tcgagcaacc	180
acgagagcgt	tagtgcgaca	gaggcctctg	tcctccctct	tctcaaagtc	ccatgattct	240
gtcaaggtaa	tattgccaat	aatcattcac	atttcacgtg	gttttagaca	cgcaggttat	300
tcagacagac	acagacaaca	aaacaagcct	caaagccaga	acaaaacaaa	acaaaaccaa	360
atcgaacata	ggtataaaaag	gtaaaatata	tgtacaaagt	a		401

<210> 340

<211> 376

<212> DNA

<213> Homo sapiens

<400> 340

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agtgtcattg	ccgccctctc	ctcccaccta	gtgcattaat	agtggatggg	agcatctgac	120
agaagtgaga	tcaggcagtg	gggtgtctgca	ccccacagcg	catgttggct	ggaacagcaa	180
agtctatctg	ctgaggttta	ggcaagttca	ggttgcccat	gattttgaca	aactcctcac	240
agctgagggg	gagccgaggg	ttcagagtc	tctcctctc	cacgggtggac	actgtgaacc	300
catggtaatc	gtgagcaggg	tagatcagac	agtctcctgg	aagtgtgaag	atcttttcat	360
ggaccgagtg	gtaaag					376

<210> 341
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 341
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 aaaccagag gcaaaagggg ttggcacgct ccctcccagc ctagtccctg cgtcactgtc 120
 catgggcaat tcctctgccc tgcattctca ggccatgtca ggtagaggta tccatctcag 180
 ggacctcagt ggacacttcc gtgggcactg ccagccgctt ggggggcaca taggatccca 240
 taccgctgc cctctccgcc tcttcctgac tgtagggtc gacgctcagc tgcttcagcc 300
 ttttcttgtg gtctttggat cggaagtggg tcttcaggtt ggtggaatcg atgaagtacc 360
 tcgcgaggc cagacagcg tg 382

<210> 342
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 342
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 atgagaagcc aggtctttat taaagatgag gagggggcag gaaagggggg cagtgtcct 120
 ctaccactg cctttgctg cccgggggtga gggagccct ctgctccacc catgcccccc 180
 atgatggcac atctgtatga ggctgaggca tggggggcag tgtgaagaac aggggcaggt 240
 tccaagaaaa agaagaaaaa cccttcccac agccctaata aataacagaa gggtttggga 300
 tgacctgggc acaggc 316

<210> 343
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 343
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 ctttagtccc agaggggaagc tccgaaccct cagagcaacc agaaggagg gcagagcatg 120
 ggcagcagca ggagttagag ggggtccctt gtcttcccc tttgcaaggg ttcaaggctg 180
 gtggaggcct ggggcttctg tcgctcagga gttcagggtt ggacgcagaa atgggggaag 240
 gagagtggct acgtagagag tgagagcgag attcctaaaa agatgcacag agagaccctc 300
 agagagaagc agaggggaatg ggttgactg gctgaggatg gtggaggagc cgtctcactc 360
 ccttcctaata gtctatagat caataacgag ggaagaaagg aggacaggga gctgatggaa 420
 acacagcttg ccaactgtac ccagtcccc aacaagc 457

<210> 344
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 344
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 gcggccgagg agcctgtggc agcggcacat ggcattgccag aggtaaaaaa acgacggcgg 120
 cggaacagaa gctggcatct cccagccat cctatgcagc agacgccaac gacagcaagg 180

ccgagtactc agacgtcctg gccaaagctgg ctteectgaac cgccagagcc agtgcgctgg 240
acgggtgctca ccgccccgct gctggacacc cagtgaagcc gag 283

<210> 345
<211> 404
<212> DNA
<213> Homo sapiens

<400> 345
acattttcaaa tatattttat tacttttccat cttagaaaga atatgaaacc tgcattgcaat 60
gctaattggtt tctgacatgt acatagcata taacacagca gtacaatgcg gcatatactg 120
gggggcagtg tgtggagggg gcggttcttaa gggatatatgt acagaggaaa gggcgcatgg 180
tcatcttagc ttctgaaaga ggactgcact gtttaacatt gaagaattac atggggaatc 240
acaaatatat tgcttttagta ctgcatgttc tgttgtggtg agggaaagaa acatgctttg 300
aagggttttcc cttgtcaaca gaatgtgtgt ctgtagctgt gtattgcgca tgtattcata 360
tatttttaag ttttctccta aggtttttgc tgacagtgtt ggga 404

<210> 346
<211> 317
<212> DNA
<213> Homo sapiens

<400> 346
tttgggtcttt tatgggtcgat tttgtctttt ttcttctttt ttccccattt tttcaaggat 60
ggaaaggtca gagaaaaata aaataaaaca tctttcaata gtcttttctg gtaaaagcag 120
cgtctctctg ggctggggag taaaggggtgt ggggcaaggg gagtggggag aggctgaaac 180
cttcccccaa accccagttt tagatccttt ggtttccttc tcccagaaga tggcagaagg 240
gcatgggtggg aacagcaggg agaaaatatg gtgatgacaa accccagatg atcaaggggc 300
tgatgctcct ggggccc 317

<210> 347
<211> 265
<212> DNA
<213> Homo sapiens

<400> 347
ttttttgagc tttggacaaa tttattgaaa catacaggcg gctgttagca gagaaatcat 60
tccatgattg atgtgttaca tttggccact accttgaatg tataatttaa aaattatatt 120
tttcacaact aagccttttg ccaaaaaagt catttagcac atcttttaaag atcaataaga 180
aatggatttt ggacattaaa aagatcaagt cactgaatta aacagtagca accccatta 240
atctagaatc ccatagtgtc gaagg 265

<210> 348
<211> 405
<212> DNA
<213> Homo sapiens

<400> 348
ttaaattaaa aaacaattta ttgaaaaaga gtaatgcttt atacaaattc ccattataaa 60
accccaaaat gtctattggt ctgtttccag gtgtggtaga agaataaaa aagatcaaaa 120
ttggataaat tctattgtaa caatttcgtt ggtcattttg ggccataaaa tttttttgta 180
atgtttggta actgatatcc acatggaatt acactcacac atcatgaaga tctatgtatg 240

tggcaaaagc	cattttaaatt	ttaaacttcca	aaagcatata	ttctcaggtt	tggaaggcac	300
actaaaattt	attaggtcca	attcctcata	agacacggtg	gctgactttc	cttgtgtagt	360
ttattatgaa	gtaccatttc	caaactaact	atcctagcag	cgta		405

<210> 349

<211> 380

<212> DNA

<213> Homo sapiens

<400> 349						
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ataatggctt	gtccacataa	accagtacat	gttcattcctt	tagcgcaaaa	agccctaagt	180
gcgcgtaccc	tattaaaatt	caggacatct	ccaatattct	ctctctctgt	ttttctttgt	240
catctttttt	ttttttaaat	aaacattttc	aagggttgct	caaaagaagg	ccatataggt	300
tcttggttag	cggaagacaa	ttcagaacag	ctggtgcaca	cttggtactgt	caccttctcc	360
aggctggcag	ttgatattct					380

<210> 350

<211> 355

<212> DNA

<213> Homo sapiens

<400> 350						
aagtgtctaa	gatggtgttt	aatacagcag	ggagccaaga	tacagtagta	ggacacagta	60
aagaatgtgg	agtgtgtaga	tacaataaag	aattcatttt	atgatctgcc	acctgttact	120
tgacagagga	gtaagttagg	gaaataaatg	actcagttct	tcatacatgc	aaaggtaagt	180
tagttattac	aaaagttttt	gctgttggtt	gtgctgaaag	aaaagcatat	gcattttaa	240
atttttttaa	aaataaatca	ctcaataggc	ttaagaaaaa	tacttttagt	catagttcat	300
tgatctgacg	ttttgattta	agatcagggg	atgaatccag	gatgaaaacc	aaaga	355

<210> 351

<211> 481

<212> DNA

<213> Homo sapiens

<400> 351						
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cattctgctc	aacatcattt	acacttgaaa	acagaaaagc	acaacttgg	aaggcaccag	120
gttacgatag	tctggagaga	aggccttgct	cccatttttg	cttgtgtaat	acctgggtag	180
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gtaacaagag	ataacaaaca	gttttgaagt	atgctgtatt	tataaattat	aatgggtggc	300
tacacttgta	gttcagccaa	agtggcattc	tctaaagcaa	aattcttata	aaatcttctc	360
tgcaatacca	agctgcaagt	ttaacaattt	tttagctttg	aagtgaacca	actttatatt	420
taactcaaac	acatacttta	aaaacatttt	cggcccaaaa	ctctatgttc	acgaagaagt	480
a						481

<210> 352

<211> 366

<212> DNA

<213> Homo sapiens

<400> 352
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ccatcactac aaactgagca caactacagt tgtctacaca ttcataatatt tgacgtgccca 120
acattttgca ttctacatga aacatttggt ttaaacaata tcttaagaat tctctatttt 180
gtttcccatc ttccctcctg ttctctccca tctccaaag atgttttata ttaactgcta 240
tgagatttat ttgccggtca cgtaatacgg aggacagcag ggaacaacac aagatttacc 300
atgcctaggg gatgaatggc aaaccaact ttggctaata tcattgagaa caacttgga 360
gcgtga 366

<210> 353

<211> 534

<212> DNA

<213> Homo sapiens

<400> 353
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ggatattgtg atagggcatg aagaccttaa gacctgagg gtgctgtgaa cagggaacag 120
tctgatattc ggaaccaaag ggcaaggaaa ggtcctgggg ctgaagtggg gacaaggggc 180
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cattgttttc agcgaacatt cgggcctcct cagtgggcac ttcccgggcc tggctgaggt 480
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<210> 354

<211> 318

<212> DNA

<213> Homo sapiens

<400> 354
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caaaggggtg tgggattatc attagttctt gtaggtttgg gataggcggg ggagtttaga 120
gcaatttttt gtgggcaggg ggtggatctt acaaagcaca ttctcaatgg cggagagaat 180
attacaaaat accttcttaa ggggtgcggg gtgcgggcgt ggggtgggtg gggagaatat 240
tacaagcac cttctcaagg gtggggaagg tgtattgtca caaggtcaat tgatcagtta 300
gggtggggca ggaacaaa 318

<210> 355

<211> 601

<212> DNA

<213> Homo sapiens

<400> 355
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attttgtgat aaaaatgctt tcatataaat tcatcttaa ctaccttag aatgaaacgg 120
aaaagtaaaa acaaagtgtg cattttcctt actacgttta gtcaggaata tgcggtcatt 180
ttattggtta ctgggtttct catacaaca gatataatat cacttttaag agaaatgtac 240
acaaggaagt aaccatagta ccacttatta gtgggggcct ctgggtacat aaatgtgtcc 300

tcccaaatag	tcatcataca	ttcaatgtat	tggttagggc	caaaatccct	aaaccacctc	360
tcaacaaaac	attacacctt	tggtccttta	ttatgcaaaa	attacaaatt	ggcaaattca	420
ataagaggat	gcaatggatt	tgagcatcac	agccaattgc	ttatactaaa	atattttaat	480
tctcagactc	tctttccctc	atacctttcc	cttccccacc	tcacataaga	aaatgatgct	540
taaaacaaaa	cagaggaagc	aattatacaa	acaaaaaaac	ctatcccca	aggcgggcag	600
a						601

<210> 356

<211> 4003

<212> DNA

<213> Homo sapiens

<400> 356						
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gccatcctcg	agagctgtct	aggttaacgt	tgcactctg	tgtatataac	ctcgacagtc	120
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acagtgggta	gaaaagcaag	actgggagca	cgctgccaat	gatgtttcat	ttgccaccat	360
ccgttttcat	gacctcctgt	cacagctgga	tgatcaatat	agtcgctttt	ctttggagaa	420
taacttcttg	ctacagcata	acataaggaa	aagcaagcgt	aatcttcagg	ataattttca	480
ggaagaccca	atccagatgt	ctatgatcat	ttacagctgt	ctgaagggaag	aaaggaaaat	540
tctggaaaaac	gccagagat	ttaatcaggc	tcagtcgggg	aatattcaga	gcacagtgat	600
gttagacaaa	cagaaagagc	ttgacagtaa	agtcagaaat	gtgaaggaca	aggttatgtg	660
tatagagcat	gaaatcaaga	gcctggaaga	tttacaagat	gaatatgact	tcaaatgcaa	720
aaccttgcag	aacagagaac	acgagaccaa	tggtgtggca	aagagtgatc	agaaacaaga	780
acagctgtta	ctcaagaaga	tgtattttaat	gcttgacaat	aagagaaaagg	aagtagttca	840
caaaataata	gagttgctga	atgtcactga	acttaccag	aatgccctga	ttaatgatga	900
actagtggag	tggaagcgga	gacagcagag	cgctgtatt	ggggggccgc	ccaatgcttg	960
cttgatcag	ctgcagaact	ggttcaactat	agttgcggag	agtctgcagc	aagttcggca	1020
gcagcttaaa	aagttggagg	aattggaaca	gaaatacacc	tacgaacatg	accctatcac	1080
aaaaacaaa	caagtgttat	gggaccgcac	cttcagtcct	ttccagcagc	tcattcagag	1140
ctcgtttg	gtggaaagac	agccctgcat	gccaacgcac	cctcagaggc	cgctggctct	1200
gaagacaggg	gtccagttca	ctgtgaagtt	gagactgttg	gtgaaattgc	aagagctgaa	1260
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<210> 358

<211> 237

<212> DNA

<213> Homo sapiens

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	tgtaccaggt	actctaccta	ctacagacta	tttaacttac	ccaacaaaat	caaaagaggt	180
	tgctgaccag	atttataggg	gacataactg	tttatattat	caaagtgttt	gcataac	237

<210> 359

<211> 195

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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	taatcaaaga	aatatgata	gttgaaactg	taataacata	catacattat	aaagactgca	180
	cataagttaa	acaca					195

<210> 360

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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	tttagaagca	aatacattca	tagctgtgta	atccccagga	agaatctaaa	tctgacatca	180
	ggtcattcag	tccttgccag	acagacaaca	gcacaaatg	gtcaacagct	aatccagctc	240

tgcagctaaa gggcagtgtc gggcagcagt ggggtatagc atattaccaa agatgagacc 300
agcaaaaaca acaatgtgta taaagcttta anttaacatg atcatataga gcgctcag 358

<210> 361
<211> 311
<212> DNA
<213> Homo sapiens

<400> 361
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cttaggcaac aagaaatgct gagtagtatt attacatatt caaaccagac ttaaacttca 180
gaaacagaag gccagatgag tgacctgtat cacaggatat gacaacacat cacctatctc 240
caaacaagaa aaagcatgat tattaagttt atctacacca gcttatttat tcaaatttgc 300
tcttcttatt a 311

<210> 362
<211> 315
<212> DNA
<213> Homo sapiens

<400> 362
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gaacggaaag gtgcaaacta gcagagtcaa tactggtaac cagaaggcac taatccaaac 120
acataaattt caaaagctgg ttatattatg gaataccata tatactggcc tttgccagtt 180
tggtgatttct gcaatagcaa taagcctcgt ttctgtttcc aattataaca acaaaaagat 240
gagttactaa tgaacattcc acttacagaa gtctaggcta tgttgataaa ttgaaaactt 300
atctagacta ctctg 315

<210> 363
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 363
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acacctgnng tacaaaggca ccttgctagg cgctagacag ctaactctgc tgcagccact 180
ttgatcctag ccttggggcc agggatggca caggctgaat ggaagggctg ggacttcagt 240
cacacaggag tcgcctagt atggtct 267

<210> 364
<211> 247
<212> DNA
<213> Homo sapiens

<220>

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<223> n=a,t,g or c

<400> 364
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gccatgcgga catgggggtgg aaggctttnt ccaacactgt tacaacactt ttgtaaatga 180
gcaaaacatc tttaaaaatc cttataaatt ctttataata tgttacacat ttagagacaa 240
tatttac 247

<210> 365

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 365
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gacgtcctnc ac 372

<210> 366

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 366
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gcacagggaa atgaggggaat ggggagagag ggaggctctt tgggtccaag ctggggcatc 420
ncttaaaaga ggtttaaggg tntcgaagga ccncagagaa caacattctt cntgcgagat 480
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<210> 367

<211> 231

<212> DNA

<213> Homo sapiens

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taaattctgg atattaaatt gtgctgtaaa tagatttgta ttttttcttt tttgagtact 180
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<210> 368

<211> 292

<212> DNA

<213> Homo sapiens

<400> 368
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aaagttgtaa accatgtgta tgttctcata actttaaatg tgaggccaca tg 292

<210> 369

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 369
tcacgtgtgc acagcttttt tacagggttac aaagtgtttc acatacatca tctcatcaat 60
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cccattcggg aagac 375

<210> 370

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 370
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ccacaaaaat tnggccgg 438

<210> 371

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 371
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ngcttnagca canacctgac ttccttgga g 391

<210> 372

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 372
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ttgggtaatg ctggttcaca ggnaatgatg gttctaaggg gctgcagggc tggngagag 360
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<210> 373

<211> 262

<212> DNA

<213> Homo sapiens

<400> 373
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caaagtitta atatctcctt ccatgaaaca gcagcagcaa gagatagcaa gtgttcggaa 120

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agggggattt	ccttcactca	tagattcccc	taacttcac	tcctcttttc	cttgggctat	240
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<210> 374

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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	cagtcgnggc	tccggtctctg	tctccaccgc	ttgctccacc	ttggcctggc	atcctgccag	360
	gaatgtgacc	agcaacgcag	cccacagaac	cttcattctc	ctgcctgtga	ttggccagtc	420
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<210> 375

<211> 429

<212> DNA

<213> Homo sapiens

<400> 375	gctttcatat	aaaaatgtac	tgtagtaatc	agtaagaaaa	agaaacaaca	ttggctaagt	60
	cacgaatagg	catttcacca	tatgtacatg	ataaatggcc	aatcaaaata	aggaatgggg	120
	ctcattctgc	tggaaattaa	atacattcaa	acaagaacag	agatccatta	gcaaaatggt	180
	taaaaataat	atcacagggg	taccaggggt	atgacaaaaa	tggaacttcc	catacacact	240
	aggtgaatat	attgggtgaa	atagttcaga	taaacataca	accatgtatg	taaaagtatt	300
	tatcatcaat	gcattatttg	tagtagcaaa	aacaacaagc	agccttgtga	aaccagttta	360
	atgtcctcag	caggaatta	ataatattat	tgtatattca	tgaaattgac	accatgtggc	420
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<210> 376

<211> 503

<212> DNA

<213> Homo sapiens

<400> 376	aaagaattac	cataagtttt	atTTTTgctt	agTTTTatta	aaaaaataaa	tatgtcataa	60
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	ggtaaggtgt	cttaacttga	aaaagattag	gagtcactgg	tttacaagtt	ataattgaat	180
	gaaagaactg	taacagccac	agttggccat	ttcatgccaa	tggaagcaaac	aacaggatta	240
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	tcactgagac	atcagtacag	atacatcttg	cttaaacaac	acagaagttc	ctgaaaagtt	360



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atggcggaatt ccttttggtga acaactactt tcacttttgg taaatccagg tatttgcttt 480
ttataaggag tttacctagt tgc 503

<210> 377
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 377
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aggatatttc aaccttactt agagaagtga taaancatca agtcaacaag tatttttggt 180
ggagaatttt tttataagcg ggatagaggg aagttaacat agacactcag aagaataaaa 240
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agcgagacaa agggcaaaac ggaagaagca aggtcaaca actttgtttt cctgatataa 360
aattcaagta cttaaaaagt tttttaaaaa ataattaaat gcactactca tctcaatgaa 420
atttttcggt ttcnattttt ccagaacttt ctaaaaaagg aaaccag 467

<210> 378
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 378
caatgtgaaa ataaacattt attataaaaa ttagttttga catttttaaag tgaatgcaga 60
caaggtgttt tccagttcaa aaggteccatt gtaagctaga gaagtaaatt ccaaggctgg 120
caataactga ctcatattct tcacaagtgg cctagacaat aaggaaccat tcacctcaaa 180
ttcacagagc catgaatcac ctctgcttcc ccatgacctt ttccatatcc ttctactct 240
gtcttccaac catgacacag aactgaaaca tactttaaaa atctcatcct tggctaggca 300
cgggtggetca catctggtaa tcccataact ttgggagggc caaggcaggc ggatcaagaa 360
ggtcaggaag tttgagacca gcccagacaa catggtggaa ccctggtctc cactaaaanc 420
ccaaaaatta ggccaggcat ggtggcacgc acccgcaatc ccagctactc aggnngactgn 480
gg 482

<210> 379
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> n=a,t,g or c

<400> 379
tttttttgat gctgaaagaa gactttaatg tgcacaaaga aacctcacat tagtgacagg 60
gagacanagg aaggagggtg gggaggactg aggccaggg aaaccagagc tatggagaca 120
gaggccttag ggaagaggag atggctggga ggaccngctg aggggtgggc gaggcagaga 180
ggcccatccc ttgctgagag gagagggggg cggggcggtg gcagaggcag gctcttgca 240
agaggagagg gg 252

<210> 380

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 380
cngcagttgg ggggtggggtg ttctggttta atcatattca gagtttgagc ttgaaataac 60
caactcaaga cccacaggag actatgtcac cagataaacc cagtgctaga atccaatgtc 120
cagcatcttc aaccactcag gagtgtttgc tgagagacca ggtggtgctt acccaccaa 180
caagcacttt ccatctttgg gtttgcccaa gatgtttacc ataaatgaaa ggggtgggga 240
aaggattata gttgacacca acataaatta aatatccaat tccagcatat gtgaca 296

<210> 381

<211> 165

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 381
ctctttgagt aactttatth ttgaggagtt ccataagcat taggaacata cataaaatga 60
cacaccactg ttgacaatga aaaaaaaaaac agcatttgat attttccagc tttttaagtt 120
aaaaaatgat tcagttaaaa caaaacaaaa gtttagatat tttag 165

<210> 382

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 382
ctccactcca ttgttttatt atgtacaaac gctacagaac gnnggggaca gacacgcgtg 60
gggtaagaag ggctggtgg gaggagttca cagagcagac ggtgcactgg gaccagnaga 120

gcagaacaca ggccataact atagggcagg tngggcagga acgggggttaa aaacgagatc 180
caagccagcc agatcgagg aggtgcgggg gcgtcggtccc cttctnttct ccccccaagg 240
tcacagtgc tgaataaaa tatatatata ggagctagat ccgtcctctg caagggtctt 300
gaagggtcca aaactccct 319

<210> 383

<211> 250

<212> DNA

<213> Homo sapiens

<400> 383
cttcattaac cttttattac aagtcacgct cttatagaag tatatgtgga cttacgtgaa 60
aaaatcaa atgtatccaaga ataaaaaaca cagcacataa agtagtatat gcattccagt 120
gttcgcgcca gagacggcg gcgcccgaagt aaaagctctt ctaaaacggc ctgactgggg 180
caggcggtg cgaacggttc cgggcctcag gcacagtgtg ggggcgcct gcctcctccg 240
cggcccggcg 250

<210> 384

<211> 170

<212> DNA

<213> Homo sapiens

<400> 384
ttttggtaca aaaggtgtct ttattgaggt ctgggttaaa attaggcact tggccacgag 60
cagcagctta aatatgaggc aagcagtcag gggtagcca tgctgggggt ggggtgggggt 120
catgaggcta caggcacaga ctgtccccag gtggacagaa gtttgagca 170

<210> 385

<211> 281

<212> DNA

<213> Homo sapiens

<400> 385
tttttttcct caaaagtttt tttcttttt catcttttta aactggcaca ctgcctggta 60
tacaccgcca gtaggcattc agaaaagttt ctttttttta aatacacaat ttataatact 120
gggaagattt catttcagt tttcccaaaa cattattcct ggaaaggggt tactctccca 180
tgactctgga taatagaagt tttgttctga ttttttaagt cacctcagac agacactgga 240
acacgttaga tctaacactt aagtgccttg aaagggcagt a 281

<210> 386

<211> 139

<212> DNA

<213> Homo sapiens

<400> 386
aatgcagcca aaagtgatat ttgcttttct cagaaccata atcgatacaa gatgcagtga 60
ccaattcatt ccttaaaaca cctgggctcc ttaagcggct agaagacaca agttacatcc 120
agcccatcag ggagccaga 139

<210> 387

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 387
tccagccccc cgcggtgcatg cggcagacat ttatttgcac ttgtcacata gtagcctgtg 60
aggtagccca ggatgaagat gatccagaag agggccacgc gccagcacc ttcattggcga 120
tgcccagctt gcccggtgcac agcctctggg agatcctgcg gcanntgagg cctcttctgt 180
gctggacaca gcccttaggc tgaactccgt cctgtctgcc gtctctccac ctactatagt 240
gggacgtggc tctcctgggg gctgcatgct ntgggggctn cagcg 285

<210> 388

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 388
ttgggggtcgg agtgggtttta ttgggcagca ggggctcang gccgggtgggg cgtcacccgat 60
acaagtagtc agcctggatn ttggcggcga tctcggcctc ccacttgctc ccgttnttga 120
gcaacttctc cttgttgtac agcagctcct catgggtctc cgtggagAAC tcaaagttgg 180
ggccctcgac gatggcatcc acgggacagg cctcctgggg agaagccgca gtagatgcac 240
ttgggtcatg tcatgtcat agcgggtggg ccnggcggct gccatcagct ctttgggtca 300
gccttcgatg ggtgatggcc tggggcnggg caaatggcct tcgcagaatt ttccaggcaa 360
ttcaacgttt ctttcccc 378

<210> 389

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 389
ttcanctcct tttattgaca gaaatagaaa tttgtgctgc agaggcagta gtacctcaga 60
gcatgagaag gtagtcaatg gggctgacat gacaagccac aatgctggcc aggggtccta 120
ccatagtggg agaaccaaaa ccacaaaaat agcaggaggt agcaaacatc cccaacaccc 180
agtgtaaagca tttccatttg cagagagctt ggccatgcat ctttaaaaac ggggtcccct 240
tcacagctgg gcagggtatc atgtcag 267

<210> 390

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 390
aaattatata ttacatgttt attaagagca caacttttat gtaaaattta catttaatga 60
aaaaaatcaa aaatatattac aaaatcttgg aagacagatg tgcattgttc taattacaat 120
ccaaagtagt aaataacaat cttttaaaac tcacatttat tagagttgtg ttacaaaatt 180
cttggttaaa gaggcagcta caaagtttat cactatatat aagcaagaac cagcttgcta 240
gggtacattt cccattgaaa atctactggg tctcttttac accattaggg ggatttttaa 300
atggggnaaa aaaaatcaat ataaactcat atgggcttca aaattggtaa cctgtacccc 360
natacttggg gnatggaggg ctgtgg 386

<210> 391

<211> 220

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 391
atacaatang ntttattgag gatgtgtcaa tacagttaac atggttgctt gtcttttcaa 60
aaagaagttc cattttcttt gattcccaag tgcatttttc ctgaatcttc tgtgatacag 120
ggcacatgat aggtatgtag agagctaagc ttcctatacc aagttagaag tgaaatgact 180
agtgggaaaa catttaaact ttaattctta aaaaaaata 220

<210> 392

<211> 357

<212> DNA

<213> Homo sapiens

<400> 392
tttttttttt ttacaaattc ttttttatta gtcaaaatca caatcacctt gattaaaaag 60
gatgggacac tccaccctca gcagaaaatg atacagttta tagaaaacct ccccgccct 120
cccacacccc aattaaaaac tacaaaaaaa tctccctcc ttcctacga tgtcatggta 180
gtctgactcc tccagtggca ctgcagctct ggagtggcca gctcaccaca gcaccctcca 240
cttcaccttg gggagaggag ggatgctggg ggttaaggag gttaaaacca ttagttccag 300
taatgccagt tcccaaacat gcacttcctt ctttccccc aaggtctggg accaagg 357

<210> 393

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 393
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 ttttgaaatt tgcttataaa attttgtcac agggagcaac aatgttaacc taattattat 120
 tcacttattt tcatttttta aaataaatga ctataaataa ctgtctcttc agttaggatc 180
 agggatatca taaaaacatc actagcgaga catatttttag tattaatact gatgcaaaaa 240
 ntgaaatagn gaccnaatat ttatatatat agcactatat atatttttat atattgnata 300
 ctcatatcaa aacttgccat ttctcttaag ta 332

<210> 394

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 394
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 ctccagaaac cagaaagact atatgtactc acttttcagtt acccccgtgc ctccagantc 120
 gcatgttgct ccacctgggg gcgatataa attacctcta gattgtccaa agcccagtct 180
 ttcccttccc tgtgcagcct tagtaaacta agtagcagta ctgtttggtg tgtgtttggt 240
 tcttccccag caatgcctac tgcagctact tagtaacaac tagaggtgga gggtttccgg 300
 ggaagcagtt aggatgagtt aagtgtgatg cacagggaaa atagtatcgt aggcctatca 360
 aagggnccct ctgccctgcc tcagtgggct tgatttcttc attgggttgc atttgcctct 420
 tgtgttgagg tgacgc 436

<210> 395

<211> 364

<212> DNA

<213> Homo sapiens

<400> 395
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 acttatagtg gaggagcaga actgaaccct ggctgtgaa ataacaattt caattaaaag 120
 ctgtctggcc ctgaagaaag agaaatgac ctggatatag ctggctctct gagctggcag 180
 agctgagcct cctcggggtc ttctgggtgg caagatgcc aagttgaata gtgtctgtag 240
 ggcattgatga ccaagtecta gtgctatggg catcttccct ctggtattta ggagaggagt 300
 accagaagcc cccggcagag gatactagga agggcccaga gccaaatcca gcagctgggc 360
 ttac 364

<210> 396

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c


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<400> 396
ancntttann nnttccaagt cattagcttt atttttactg aattcagcat gggatgacaa    60
aatgcatta tatcactacc atccattatt acatgtagac atttatcctt gtattcttta    120
tatgtccatt ttctacgtta aatctgttaa ccaatactaa ttnaaattac atgatttcct    180
actaaaaata tgcagttcat ataagcaagg gcaaataaat cctccttaaa acattttatt    240
cctttataat tgaggaactt aacagtctta atgggctagg ttcttaaaaa atgtttatag    300
ggnttaaggt ttatttaagg ggaggccggn caaacaaaac atattgtaaa actaggtatt    360
ttcccggagg ccatttcctt tctcttcctt tcttcccggc aaacnggggg ttttta    416
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<210> 397

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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<400> 397
agttntgggg tcttgtcang ttgcccaggc tgatctcaaa ttcttgggct caagcaatcc    60
tcttgcccttg gcttcccaaa gtgttcagat tacaagtgtg agccactgac ccagaccaag    120
aaattttaac cctaactaaa tacccaaaaa aagtgtatat atgttcaca aaggacatgg    180
gtaagaatgt ttatagcagc agtatattgta atagccagaa actggaaaca agccaaacat    240
ctatctacag cagaagagac tattgtttat ttatacaata aactacaata tagcaataaa    300
atgaatgagc tacaacaaca                                320
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<210> 398

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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<400> 398
tggaaaaaan nacaacttta ttttcagtca tttctatttc cttggttatg aacaaaggta    60
gcaaagtgca gttgtatcag cagtgccaat agaaattaca gagtttttca tatcccttta    120
cagtttgcca caggtatcct aaaatattgt ttacactcat ctctcttcag tttaccattg    180
tttaataggc ctaccctcga tctttttatt caatatgtta ataaagaaac ctatacacat    240
agtatcacgt tatacatttt aaaantnttt tgacaactgt atat                                284
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<210> 399

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c



<400> 399
agacagcttt tgagttttatt tggcttctgg cttcactgga ncccagggt aagactccaa 60
ccctggctgg ggcagcagga aggcattccag agagccctgg cccagatga ccccccaggc 120
aggaggtcca tgctctaagc cctagggcag gggccgcagt agcaggantt ggtcaaaagt 180
gctggtgaca gctgaggcgg gccccctttc cctgcacctc cctcctccc tgnatcacc 240
cagcaggcaa ttccctgaga caggntctgg gtccctccaa ccagttgggg tacagttttg 300
gggccccant agggca 316

<210> 400

<211> 316

<212> DNA

<213> Homo sapiens

<400> 400
ctggttttaa atattttattg attaaaaaaa attaaaaatt ttttatacaa aggtgatgag 60
aaaaaatctc atgcaaactc cgggcataca ataaaaataa ctcaaattatt aatatgatga 120
ttttgtacaa aataattctt ttgaagttag accggtggca accaacacgg ctccctgctc 180
caggccggga cgccccctctg ggaggaacgc gcggccaccc ttggaaacct gtaagtgatc 240
cacggtccag gtgtggaatg ctcacagttg tcactatgat gaatgatgaa aaccctattg 300
ctgctactca gaaacg 316

<210> 401

<211> 349

<212> DNA

<213> Homo sapiens

<400> 401
tttcaggtaa caaagtccag tctgtttttat ttttaaccca aatattccaa atatacagaa 60
aattaccagt acaaagttaa acacattcag atttattttac acaatgctaa agaaatttga 120
gtttttatttc cattttgtgg aattttatca tggggtctgg ctttaatgtg taactgacgt 180
gggtcactga aactcgatta tcccacctca catgcaattt tctgtcctaa gggaatagaa 240
aacttggtt tttagggcac atgcagtaat gatcttaata ctgctttaca ctttcgtggg 300
aaggcagctg tcccacagcc tggggaagga ccacatgctc agaaagggg 349

<210> 402

<211> 413

<212> DNA

<213> Homo sapiens

<400> 402
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acatatagtc aatatccata aatgaagggt cacacatttc tgaatggaca atactgtttt 120
acatagagaa cacagcatct ggatatgctc tcacaattat agtatcatgg actaaactag 180
gtcagagtga agtatatgca aaatgaccat ttgggtttttt tccattttat taatagcata 240
tggttgacga tgggtgtaaat ggtaaacgtg atatcatgag acattcctga tatctcacac 300
caacacatta tttaacgagc aggttaaggt gaaactgcc a gtatgctgtt agtcaagagt 360
cctcagtagg agaacttgag tgaaacgtac acccaggcta cagattttaa att 413

<210> 403

<211> 335

<212> DNA
<213> Homo sapiens

<400> 403
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 gaaagcaaag cagcaggatc ccctagagag tttagtcttt ggtttctaag tttaaagggg 120
 ggattggctt cagagcttgg agcaagacag aagattcgac ggacggatga gctggcaagg 180
 gagaagggag tctctggggc atgagcaagg gagccgattt cttgtctggg ttcatgaagc 240
 tagagagggc tgcggcagag gctttgaggc ctgggtatag cactggcact taggtgggat 300
 accagcactt ctccagcatg ggcaggtagg cattc 335

<210> 404

<211> 275

<212> DNA

<213> Homo sapiens

<400> 404
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 cattaaaaac aaatgaacac attaaaattt cactatttta caatctaaat tctagcaaca 120
 tatacaaata ctgagtgact acagtacatg ccgaggtaag ataagtacat tctgggagaa 180
 tatcactgac gctcaaacca tttttatttc caatatgtat ttcaatacat gtttgtttcc 240
 acttttccca gtgccacaca cacacacaca caaaa 275

<210> 405

<211> 398

<212> DNA

<213> Homo sapiens

<400> 405
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 actatagagt ctttataaac tattttgtat atcatattca cttcctaagt cttactgcag 120
 taactgtatg aaattttaatt agattacgtt ttagcattag tcagaagatt taaaaaatat 180
 gtaaaatggt ttcacagtac tttggattta taaaagaccc cattatttta acttttgtgc 240
 aacctgtttg aaatgtataa aaaacctttt acaaaccaa aggtggcgta aggttttact 300
 gagttgctga agacatctta ctttcttgaa tttctactta aacatccatg tgggtgcactt 360
 tttcaggcag tgtaataagt ggcaaataaa taatcaat 398

<210> 406

<211> 459

<212> DNA

<213> Homo sapiens

<400> 406
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 ttcagagtta gagtaacata ataccttgga aactatagca aacagcttga caaagcaaga 120
 gtacattaat tctacatat atacttttat ttttagtgac cacatttctt tgtttcagggt 180
 gtaaaattaa aaaatatatt gtacacttag catacttggc ctaccaaata ccgtctaagt 240
 tctgagcaca ctctctcttc aaaagtatca tattcaacag catttttaaat ttagagagag 300
 agtttgatga tacaggttttt aaaacaaata agcatgtatt gaaccaagtg atttaagaca 360
 aaatatttca attggtttaca gcttgggtat gagagggag atgcaaattt aagggtacatt 420
 tttcctctag ctacgatggt atgttttact tacctggat 459

<210> 407
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 407
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 tctagaaacc tgggaaagga ggggttaggg tagcttggag ctgtcccagc tgtagctctg 120
 tctcccagaa gtgaggtctg caggggaaca gggctctggg gtccctctgc ctgggagagg 180
 gaaggctgag tgtataaaaa ggtggaagcc tctagaaatg agaaggctgg gtgtgtggga 240
 ctcatgctgg tgccttccca gacgaaggag agggcccaga ggaggcagct tcctggagca 300
 gagacggcag caggagcgcc cgtgcccggc atcacctcct cttcagcacg gatatgcagg 360
 acttcttgag gggcccgatc t 381

<210> 408
 <211> 598
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 408
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 aagaacacgt ccaccgcgga ggccgcaatg cccacctaga gcaggctcgt gaagtagtcc 120
 aggccctggc cagctcccag atagagaccc caacgcccag ctcccggggc agctccagcc 180
 gcacctgcag ggacttcagg gttgggtaga agacgacgtg cctcccactg cggctcttct 240
 tgtactcgaa gaagtgtctt gagacctggc tgtcccacac catccggggc ctgtggctct 300
 tcagtgtctg gatgtacctg gccccgacaa caggctcacg ggcatacctg gaggtcgcgt 360
 agtccatacc ataagaagtt tgagccccag gaggattttg cttcgccact ttggacttcg 420
 ggtccaggac ctggacgcag gctcgaaccc aggacagggg tgcattaggg ccaggctgat 480
 gcgctgtaga gtaatcgtag gtcatgaagc tgaaaccatc cagnaggggg gcagttntca 540
 aatcctttgt ggtgaaaatg ccanttggtc ggtcccgggg tgattgnagc ggaatnac 598

<210> 409
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 409
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 gcagatgcaa atgtggggtg ctgagagtgg caacacaggc caccctaaac caacttcact 120
 ccctcccctg tcctcagcca gtacagaagc caaatgtagc cccagcccta gactccagcc 180
 caggcagagt ccaaggaggg ggtgtcaggg tcagaagtca caggagagccc agtgactatc 240
 aaggtggctg agagcaaggc tagggtaggg atggggcaga gaaagggcag ggggtgcagc 300
 ccagggtggc caaagcaaca cagaggagca agggctggca ttcaagtcag caggtcctt 359

<210> 410
 <211> 241

<212> DNA
<213> Homo sapiens

<400> 410
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 ctgggctcag cggctgtgaa ggagggaccc gcaacaccg ctaaggcagg taattgcaag 120
 aaggcactcg cgagggggac ttcaagcccc tcttctatct cttcatataa aatcaggggg 180
 atggggaaaag ctccaagggc gaggggaagca gagagtctct ctcccagcct atggaataag 240
 g 241

<210> 411
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 411
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 ggcctgagcg cctgggaagt ctcttgaggt tgcaggaatc tcacagagaa cataggcgct 120
 gccagccac caccgagaga aactattttg ggctggagtg tgaccgccga ggtgatcctg 180
 gcaggaggct ggggttggct cctcgactcc acaaacactg aggagtgggt ggggacacca 240
 ttgacacca cccaaacact ggcagagagg gaaggccctt ccagattctg gggcacatgt 300
 tgctgggcct gccaggggga aggaggagcc tgg 333

<210> 412
 <211> 335
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 <213> Homo sapiens

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 gaaatatata tatgtatata tatacttcta acattttatg gaaattaaaa atcagaggct 180
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 <213> Homo sapiens

<220>
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<400> 413
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 cacactggca aggcaactgg ggatntgggc agggcagttg gacatggata gatgagaatg 180
 acaactcaca gatgtcctag cttctgctgg cccagctgcc ancactgnca tcaccctttt 240
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329

<210> 414

<211> 439

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<213> Homo sapiens

<220>

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<223> n=a,t,g or c

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<213> Homo sapiens

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<211> 356

<212> DNA

<213> Homo sapiens

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<210> 418

<211> 456

<212> DNA

<213> Homo sapiens

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<211> 206

<212> DNA

<213> Homo sapiens

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<210> 420

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<212> DNA

<213> Homo sapiens

<220>

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<223> n=a,t,g or c

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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

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 <223> n=a,t,g or c

<400> 422						
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<220>

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<211> 292

<212> DNA

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<211> 346

<212> DNA

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<211> 469
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<210> 427
 <211> 4003
 <212> DNA
 <213> Homo sapiens

<400> 427
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<211> 4003

<212> DNA

<213> Homo sapiens

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<211> 419

<212> DNA

<213> Homo sapiens

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catccttttc	ttttttatct	cgtgccctt	gtctatttca	aatcatcagg	cacattcatt	240
taataatttc	ccaagcaatt	tttaaaaaga	cgtttgggag	tgtgtaaaag	tttagtgact	300
ttcacactaa	aacttggtgt	cagaggtaca	tggtgactat	ctccacacag	gcagagctgg	360
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<210> 430

<211> 385

<212> DNA

<213> Homo sapiens

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tgacataact	ggcaagagta	acttgaaaaa	taacttaatc	cagcagaaca	aaaacatcct	180
cagaaaaaca	tcctcagtag	tactgaatat	atctctctca	tatatctatc	tatctatcta	240
tctatatata	tatatatata	tagctttgca	caatcagggg	gcaaggcacc	ataatgaaat	300
gagcatacat	ttatgcagaa	gaaaataata	gcaacaaagc	tgcgagaaaa	attgtaactt	360
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<210> 431

<211> 399

<212> DNA

<213> Homo sapiens

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<400> 431
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tatctcaata tttagaagga aaaataaata ttcttagaag aaacaatatt accatcataa      180
atggaaaacc ggtaataata aaatacatac ataaatatta agatttacia tgtctattag      240
caagtcaccc taactcatct tacagaccac cagtaggaca attaccctt tgggtgacat      300
gaaaaaggct gccagggggc ttatgtccag tgcccagggt ccagcatggc aacatatttt      360
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<210> 432

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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<400> 432
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tcccataggt atgcagaggc cacctaacaa aactccatct ccctgcccac agaatgcccac      120
gtgggagcgt ataactgtgt aagtaaatgg ttccattgta aataaaaagaa ccttagaggc      180
ggacttgtgc tgtggagagt acaatggcct ggagcagnga gacagatgct agaccaggc      240
ctgctgtgtg acctggatat atcactggct tctctgggcc acacactccc cagatatacc      300
aacaacaggg caggatcaga gggaaggatc tgtctgaggt cccaggagct cacccttcag      360
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<210> 433

<211> 193

<212> DNA

<213> Homo sapiens

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<400> 433
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ctgttcaccg ttcattgtat tctataaaat atttgataac agtcaccacac tacagacatt      180
cttttccctc gtg                                193

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<210> 434

<211> 278

<212> DNA

<213> Homo sapiens

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<400> 434
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ttcacagaaa ttagggccat ttccatagtt atggggaagg acgtgtgagc aggatgggag      120
gtgctcagct gactgtcttc tccagaaggc tcttctgagc tgagcaggag accccagggc      180
cacagccgag cccaaccta gacacggctc gagctccaac cttggctggc tataacttcaa      240
gggcgggtag ggccggcatg gggctggagg gagtcagc                                278

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<210> 435
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 435
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 taacatctga tgtcaccaca ttaaaatgcc ttcttgctta atatcagaga aaaaaataca 240
 tgttgccagt ttagactcag cgcagtttat catttggtcc aaatttcata ttcaaactac 300
 aaaaaatatt ttttaataaa gaaaacatat 330

<210> 436
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 436
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 tgctgcatgt ttc 433

<210> 437
 <211> 358
 <212> DNA
 <213> Homo sapiens

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 aatagtcctg tctgaagcac agaattttaa ataaagttta cctccattac agacaagaaa 240
 acaaaaaatt atcggcctta taaatttttag tatgagtact taaattaggt acttcacaga 300
 tttattttca ttaattaatg aacgaaagta actgggtattt ataagaaata taacattg 358

<210> 438
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 438
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 agcccaggcc agaaggttgg gcttcttgtc tctgggaacc catcatacce ttcccgccaa 180
 agaattctaa ataaggcagg aaaaaaaaaa attgtgagtc cagtggggag ctgggggtgcc 240

tggtcattc

249

<210> 439

<211> 322

<212> DNA

<213> Homo sapiens

<400> 439
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gaatctgtcg agagcacagt ctcccagtcataaagaaggaggaggagg gggatgagct 180
cgcacccttg agaagaacct tcatgagcca attcccaaag catcaactcc gcatggatag 240
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<210> 440

<211> 297

<212> DNA

<213> Homo sapiens

<400> 440
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caaccaccag gcagccaggc catcagccca cctccacctc tggaggggtcc ccagagaccc 180
acgcccgcag cagaccgcga ggagcatcag caagggggccc gggcagagaa tcggctatgt 240
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<210> 441

<211> 478

<212> DNA

<213> Homo sapiens

<400> 441
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tgggaaaata ataactatca cgattgtcaa tggctaggat tgttcaactt gccagagccc 180
agagcggaaa cccaaaatta ccagaaaaga gatttacttt tgctgagggt tggggatggg 240
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aagaactcac tctacttctc aggacaagct tttgctttta ctgagtgggt tattataaaa 360
tatgaagtga catttattaa ttgtaaggga aatatgattt acgggacaga actcatcaaa 420
taaacagagt tgagatagga gtgtactggg aagaaaggaa gtaaagagaa gaaagatg 478

<210> 442

<211> 302

<212> DNA

<213> Homo sapiens

<400> 442
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cacatctgtg ggactgctgc aattttgaaa gaaaaatgac agctgtgtaa aaccagtgca 180
taggaaaaaa gaagtgtcaa caatttggct gccaggcaca ccgcgccct gcagcaatct 240

ggatggggcag gggaggacac tcggagtagg tagaaaacta accaggctga acggcccctt 300
ca 302

<210> 443

<211> 172

<212> DNA

<213> Homo sapiens

<400> 443
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ctatctacat tgttaaaaca gcactaaaaa taaaattttt taaaatgatt atccattatt 120
tacagaaaat gtggaaaaga tggcttttaa acccagaaca ttataggaaa aa 172

<210> 444

<211> 267

<212> DNA

<213> Homo sapiens

<400> 444
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<210> 445

<211> 418

<212> DNA

<213> Homo sapiens

<400> 445
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tctttatggg tatacatcat ataaaaataa atcattttca tactttttta aatgttggca 180
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ggctgcctta gctcagaaga gctcaaggca acagggcaat ttggggagag tcacaggcac 360
aggaagggcg tagatagaag atacgtaaaa tcaaatcagg aagttttggt atattggt 418

<210> 446

<211> 586

<212> DNA

<213> Homo sapiens

<400> 446
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gtgtactccg tgttgcttga gcatttggtg tgggtggttt tgtggtggtt ttctgaaaag 360

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cattattcac	agtacaataa	atagaggtgc	ctccaatcag	tgggaatcct	ttattacatg	540
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<210> 447
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 447						
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cttagaagaa	tcacttactc	ccacaatctg	tccagacaca	ttagtctaag	gacaagttta	180
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at						362

<210> 448
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 448						
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ctggaagggc	gtggagtctt	ctccagttct	cctagtttac	agatgttgtg	acctaggctt	180
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<210> 449
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 449						
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 <211> 305
 <212> DNA
 <213> Homo sapiens

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aggggtggggc tgatcaaggg cagagagctc aatcttgggg gaagaggaag agaggacaga 180
gaggccaaac aggtctcttc cctcctcttc acccatgcc aagcattaaa taaacaaaaa 240
gcaactcttt acagcacaaa ctacacaggg aagtccttc tcccagccct gggcgacag 300
catgg 305

<210> 451
<211> 392
<212> DNA
<213> Homo sapiens

<400> 451
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aatcatctgg aagttcctgc taaattaaag catactgtgc cagagctccc ctctaataca 180
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agccataatt tgtttttttt gcaaatacca tgccccccac ctgacccccac aaagacaaca 360
gtcactgaca tggcccagct atattaacag ac 392

<210> 452
<211> 194
<212> DNA
<213> Homo sapiens

<400> 452
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gcgccgcccg agaccttaca accgcccgt aaccggggag gggggccggt agggcgccctc 120
gggtctcaag gcgcccggag ggtctgcggg cctgaaggt cctgggtcc gagccacaag 180
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<210> 453
<211> 294
<212> DNA
<213> Homo sapiens

<400> 453
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<210> 454
<211> 407
<212> DNA
<213> Homo sapiens

<400> 454
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 aagacaaaaa tgtacaaaaa tgggaagaga atgaaaacac aaaggcacac gcagccacaa 360
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<210> 455

<211> 174

<212> DNA

<213> Homo sapiens

<400> 455
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 actcttccag gagcagtagc ccttctaaga aaggggtggg aagaaaacca gcctaccctt 120
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<210> 456

<211> 418

<212> DNA

<213> Homo sapiens

<400> 456
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 tccatgtagg tcaggctggt ctcgaaatcc tgacctcagg ttatctgccc gtctccgcct 240
 cccaaagtgc tgggggttaca ggcgtgacac gccatgccca gcctaaaagg acattcttaa 300
 ggcagaaaga agggggcagg caagggtggt ctgagccccc agatggaagt cagagtgggc 360
 tgcaaaagat gcagatgggc aggcagggag acaggtaaac agacagagag acaagggtg 418

<210> 457

<211> 326

<212> DNA

<213> Homo sapiens

<400> 457
 ttttcgtggt ttcgtctatt tattaaaaaa tatttgagaa caaaacctct gcctctttga 60
 gtcttgctct ggcattccca gcatctctga ttctccctgg tgcccccagc tcaggaagaa 120
 ggtggtagtg gggagagagg gtcagggggg cttggcaggg atgcaggcac catgactttt 180
 gtgaccagtt cctagagacg catgggtgta gcctcaggag gaaagcgaga ggagctttac 240
 catgggaacg aaggaaaggg acaacattgg gaggcaaacg ttgggagact agtccagaaa 300
 cttgcagttg aggatacaac agggtc 326

<210> 458

<211> 388

<212> DNA

<213> Homo sapiens

<400> 458
 gttagctagt atcttttatt gtcagaactt ctgtgagcca acaaacagtt ttgcatgggt 60
 gtacacaaag ggacaaggca aatttctttt ttcgtgtggg tagacttagt tggcccaagt 120

ccttaaaact tttccatata aaaataaaaa gtccaagacc agattatittt tcttctggtc 180
ataaatgctg atttattttac aggtgccttg ttcagaccac cattataaac ttgggataaa 240
atatgtgtgt attaaagcct cagcatttaa tgtcagggtc ctttgaagat tcaactcaagt 300
gttaagacgt ttctggaatg cagcgtctct ccccatagtc caacatgggtt attatatctg 360
taatctatcc agaatgatag aagctaac 388

<210> 459

<211> 411

<212> DNA

<213> Homo sapiens

<400> 459
tttttttttt ttttttttca cagtacaact caacacttta ttccattgtg attggtatac 60
atgtaagatt gagacatcaa gagactaaaa atcagtgcag aacttctctg aactaaaggg 120
ccgtgaaagg catgattgggt ttgggcacac agagtggata accatacatt ggctggaatg 180
aggtgggtcag gaaaataaaa tgcacaaatc taacaccatg ttgaaatcat gtctgagttc 240
tggagaaagt taaagtgtaa ataattacaa agactgacat gcaactctta ccttacatta 300
ttcatctaca gactatittt ctcctttaga gatgaggaga tggccttagt aatctgttca 360
gagtagctga aaagaccaat caatacacat tagaaagatc tgcttgattt c 411

<210> 460

<211> 206

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 460
aatggcatta aagttttatt agtatttgyt camatytata cagttattta cagggcatga 60
aantggaaac agcacacaha tacacttgag gtataagyya gagcacagta tgtcatgttt 120
caataaatat aattcaaaat ttgtaaacta ggtgaccaga tacatgagtc ttatttttrg 180
taaaaccata taaaatattt atytca 206

<210> 461

<211> 280

<212> DNA

<213> Homo sapiens

<400> 461
gtataaaaaat aattttattt actactgtaa ataaagtagt gcaaagagta gtttggaccc 60
acaatattgc attactgatt tattcactac cttagcagca tgtagtatac agacattctg 120
ctcttctctt tcctctctaa cacacacaca cacacacaca cacacacaca cacatatccc 180
tgtacagact cagcgaggca tgaggggtag ggatgaaact ataagctaga ggcttacttg 240
ctgcatattc cgttgctgcc agtctattct aacgtgtaat 280

<210> 462

<211> 266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 462
aatcaaaacc atctttatta tttaaagagc atcccgtcat caggggcacc tagacaggag 60
tcccagacag cagaacaata ttacatggg ggtcaggagg tgaggttggg tggctcggg 120
gctgagtggg cccgccactn tggaagagag gacctggag ggaggggtgc cttggacctg 180
tggaccgggc ccaagaagaa aaacgtccca tcctaggccc agcgtggatc ccaccaccgg 240
gntcacctcg ggccctggag gctgcg 266

<210> 463

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 463
gacaatgtca taggcacgt tcatcgacag attgagcttc tgcataaggt aagccacagt 60
cacagtgact gancggctaa tgccagccaa gcaatgtacc aagacaccac agttcttgcc 120
ccgggcttca tctatgaaag aaatggcctc agggaaaaac tgggacagggt tttggctcca 180
gtgatccgag atggggattt gcttgtattt aaactctcct gcgttctcaa agagattcgg 240
caaattgggg gtgacgttca aga 263

<210> 464

<211> 292

<212> DNA

<213> Homo sapiens

<400> 464
tttttaatga aaatcgcttt tattttatcg cttttgtttt gtatttttgc aacagaaacc 60
ccctgctcca gagtcagact gtagctgaac tgttcagact ggagaatgga gcaggctgtg 120
ggccgccacc ccgtgggtccc ctctcctggg caagcgccca ccccaggga acaagggtcca 180
ggcaggccag ctactgcac gactggcac caccacttag ccatacagggt catcatcatt 240
gtcttctgtg tatacactgc cactgtgccg gacctccact gcctgactg gg 292

<210> 465

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 465

tttttttttt	tttttttttt	gcttcacaaa	tgtcaatttt	attgacacta	gtgcacaact	60
aaatacaata	attgcaaagg	aagtggaacg	tgttcaaaca	gaaatgggtga	caatgagtta	120
gaactgcagt	tnnttcaagg	tactacacta	ttatttataaa	aaaaaatcac	aaanagaaaa	180
atgttatcac	tacaagtagg	gatttaggaa	gngagnaaat	tctgggcagt	ctgtctagna	240
gggttataaac	atttcatggc	atttgtgagt	tgctgttgga	gagttgtttt	ttatttgtcc	300
accgtaatct	gggcaacatc	cgggggctta	ccttcagctc	tcggcactgt	gcg	353

<210> 466

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 466						
acaatctgct	tcttctaata	tatccccagt	ctaaggcatt	taaaattaaa	cagctcttca	60
acgccccaa	ttatttcac	aggctaagaa	cttctccgag	aaacgcacaa	gaaggcaggc	120
aaacaggtgg	gtaggtgaga	ggtcacgggg	ctccatctgc	aagctccatc	tacaaggcat	180
caatctgctg	tgtggcatca	acgttataaat	gttctacagc	ttagggatct	tcttgaagca	240
aggttccaag	cacaaaacta	gtatgaccgg	aggcttcaat	ttagaagatg	cagcatctga	300
aaacctttac	cccaggaaag	gaggggtgcc	tggctgggat	tncatggggc	tctggaacaa	360
gcattttatt	caaagctg					378

<210> 467

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 467						
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agacatgaac	tccaatactt	caggacaagt	atggttctca	aagtgtgatc	cagggaccaa	120
ccctctgagg	aagtccacga	ggccaagcta	ttttcataat	actgctacac	agatgttatt	180
tgtccctttc	actctcattc	tctcacaagt	atactgtaga	gttttccaga	ggcttcatga	240
agtgtgtgtg	gtgacattat	tgtctccang	gctaatagtaa	tgtgtgcatg	tgtattttatt	300
ttaaaaatgg	attcgcttta	atttcnagta	tgggtaagta	tccaaagnac	caaataataag	360
caaagcncct	tgaga					375

<210> 468

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 468
agaacaaaat atatatttatt ttaattatac cagcacagta aggccccagaa agaccatgga 60
gttgacaaaa gaatgttcag caccagcaag ataaaacaga tactggcagt cagtgtctaac 120
ggctagcaca caagcccttg ccgcatttgt atgatctgga gcagantcc tgaacatctt 180
catccatgtg accctgtgca gcactaagaa ggtgtgtccg ataaattgca attacttctt 240
ggtgtgtgtc gtcagcatcg gccagctgtt gctccagaga ttccacttgg tgctgcagag 300
tgtcaatcag ctggctctgc ctcttggtgg ggttcccact tgtgtagggt agttgggaaa 360
ggccattgag tg 372

<210> 469

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 469
ttaattttaa gaaaacttct ttattaagta aatggacagt tggtagacag atattgcaaa 60
aatttcgagg cgggtacatg aatgactgaa attcaggaga cgcggggagt tagcacagaa 120
gcactttcct cattcagagc tcttttggct gcgagaaaca gacaccaat caaatcagct 180
tcancaaaat gagagaatgt atcctgacaa gggacgctca cagggcctaa aggaagagtg 240
ctgggccccct ggaggactga ggaagccgg cagtccttg aggcgggtgcc ggctgctctc 300
caggcgccctg tgattcctct ggtccctgcc ttgctatgcg tatcttccct ctgagcagag 360
ccattttctc taccacattc atgcaggtgc ccattccccg gaacacacac agacaaacac 420
acacacatgg acacagtcac agctccaggg tttctatgtg ttcaggtaag ggantgcaa 480
agcctgaaca gcctccctaa atctagatgc ccantttat cctttcagct ccattcagang 540
atca 544

<210> 470

<211> 138

<212> DNA

<213> Homo sapiens

<400> 470
ttttttcatc accatagttt ttaatgaaga aacttgttta aaattgtaaa ggaaaaaatg 60
ggaatgggac ggcaaaatct tagcagcaaa gtgggttaaac aaattgaaaa tattaatgca 120
caaacattaa aatattaa 138

<210> 471

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 471
 Cgttgtaatt atttattctg ttactggctg cttagtgtga catatttgat gttatttcaa 60
 ttgtaataact cttcaaattg gaacactcct tttctgatat tcttagcaaa tccctctttt 120
 atttttgcc a cttgttataa tatctctaag aagttactcc aggaccgggc agtagggatt 180
 actgattcag atgggtccag tgactagaat atgagtagaa agtgtgaggt ctaatttgaa 240
 cctgtcagag ttactgttgc ctgcgctggc ccaaagtga gatttttagt cagcttgtga 300
 taggccaggt gttttgtctg gaccaggagt tatctttgac ttgtagctag aataaggatc 360
 ctgagaagtc aggtatccac ttgatgtcct tttatttgac ttgttaccat tagtactctc 420
 ctgggatcaa ggctgccaac cgaacctata nccagattt ccc 463

<210> 472

<211> 306

<212> DNA

<213> Homo sapiens

<400> 472
 aactttactc ataaaatttt atttgaacaa aacaattttt gaaaatataa aaatttcata 60
 agaactgctt tctgtttaga tacaaaattt attttaaaaa taaataatta tattgacctt 120
 taccatcact tgtctaaatt ttactcatgt ttattgtcga agacacagag gtgaattaga 180
 agagtatatc attatacatt gtcaaataaa gccaagggtt ccttatccaa atagagagaa 240
 tatatatgtg attacttaat ataaagcaaa agctatttct accaaagaac agacatgcag 300
 ttattg 306

<210> 473

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 473
 aactttactc ataaaatttt atttgaacaa aacaattttt ganaatataa aaatttcata 60
 agaactgctt tctgtttaga tacaaaattt attttaaaaa taaataatta tattgacctt 120
 taccatcact tgtctaaatt ttactcatgt ttattgtgaa gacacagagg tgaattagaa 180
 gagtatatca ttatacattg tcaaataaag cgaagggttc cttatccaaa tagagagaat 240
 atatatgtga ttacttaata taaagcaaaa gctatttcta ccaaagaaca gacatgcagt 300
 tattgatctg gaattggcat cgattacaaa ctactctngc aattcttctt ctccccaatt 360
 aagggtgtctc tcttgaactg gattgaaagc tgtttgataa gtatactttt ttcaagatgg 420
 tgtgcncagt tggggggcct tttatta 447

<210> 474

<211> 164

<212> DNA

<213> Homo sapiens

<400> 474
 gcattatttt aagatcttta ttattaagta actcactggg gttgtcaaag tatgttataa 60
 aattacacag ataattagag atatatgtta catagaaatg ctgattttac actctcttct 120

gagtacaagc atttgattac agaggctcat agcacaacaa aatg

164

<210> 475

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 475
ttttttatac aaacaagttt cttttattgt ttccacacat tcataataac tatagaacag 60
aaagattggt ttaatttgct gtcctacttc ggtgacctga tgaatacact ggtaacagtc 120
cccagtttga gtaagatcag ttgaagccct tactgtataa gtccaaaatt taagaaaaat 180
gaatctcacg atgagcttcc tcaggcttcg gccgtgctg gaccagtcag cttccgggtg 240
tgactggagc agggcttgct gtcttcttca gggtcactct gaaaggggtg tctgggcttg 300
gtcttgcttc ccaggtttca cgcgctgcag gttttacatg gctgtgggtg atccaggctg 360
ggattccttc tacttcacag cgggtgggag gctcagaacg acagctgggg tctttccaca 420
gtggacacaa agaggtagct tccagttctt gatcaaatng atcactgggg agaaaagggtg 480
aactggggag aataantaac aggccattta 510

<210> 476

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 476
nctttttaat aatttcagaa taaagtctca ttccagtcca gtgggctggg tgggtggggga 60
gagggttgaa agccccactt ggggtcccga ggggtccattg agccctctca ggccagctcc 120
aggaatcctg ggcttgggtc acagagcaga gttgcttgca gggctcctagt ggccatcggg 180
ctggggcagg acatcatctc tcagaggggtc agaggctcag agctgggtgc agctcagcag 240
gtcacggccc tccaccagct ctgggttctc ccgcatcatg tgggtgggct gctttttccc 300
ccaccagggg cctnagctcc agcagctnng tggggtnagc ttagcaac 348

<210> 477

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 477
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tgaaggaaag gtggagggaa gaagggaaga attacaatgg ttagaaaaga gcaactaaag 120

attattttcta ttatacttct gaacggtaaa ctagcaattt taataaatat tgggggccac 180
 ttaaattctat taaagcagaa agtgtaaagc tatctccatt agtgaagaga tgaagtgaca 240
 aaaaccaatc agttttttgta ggcaactgat ttaggaaaat cttgtactga aatcaacaat 300
 tagacttgca catcatagga ttttcaaagc tttgctgaat tggaaaagga ntttttcccc 360
 ggggattttt tccccccgag ggggtccttn ttccaatggg ggacctccgg tntgg 415

<210> 478

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 478
 tttttttttt nctgccaaaa gcctttaata tgccttggn cccaggctgtn ttcattgaaaa 60
 ggggacacag cagtgtctcc aacttcaatg gttcccagg tcaagggtcc tcccagcgga 120
 ggtgggaggg caagccctca cacctggcac ccctgaagtg cataactctg gaggaagtcg 180
 ttgagctggg acaggctgcc cgntggcgtn gtcctggaca aggttttcag agggcatntc 240
 ctgatccag ctattcgagt ccagcaggta ctgggggttt ccctcgaggc cataggtggc 300
 cccatntaga cccatgatca aatattcttt cccagggtcc aagcgaaggg gccaggaggt 360
 tcgaaccagg nanttnegca tctgattagc agcggc 396

<210> 479

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 479
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 gcgtctgggt ttggttcctt ggacgtcacg gttcctggat ggggggtgggt ggggtccact 120
 ccctaagtca tgggtccacg ggcctnttgg gatTTTTTTC cagggttcaa gtgactgag 180
 aaagcttcac agttttaata ctctctagat gctcaactga ggcaaagtga caaatggcc 240
 ctccaccccc cgcccgccac aaaantaaaa tccaagccc ctggnagctg ctgctcagcc 300
 cttatgaaaa aataatacaa ac 322

<210> 480

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 480
accacgggac nttttttaag tttattctag ggtgagtggg tgcccaaggg gggcagttga 60
gtatggccga ggtcacctgg tggcaggggtg ctcagggatg gccacagggt ctatagggcc 120
ctgcagctgn aantctctag tcagttggga tgcttcacct tctgccccac cccaaggggt 180
ttgggcaatn catggatgta gtagttttcg taattcgag ggatcagtga tgggcactga 240
gcaggcttga ttctcacaca catatgcagt ggcttgggtc ttccaaccgt cggaggggtac 300
tcaggaaagg cancttgccg gacaagaagc 330

<210> 481
<211> 207
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 481
ctggacagcg ggcagcacca ggcggcggac agtgtcttcc ttctgcagga gcagcgcnng 60
gctctccacc acctctctc catccttggg ccagcgcacc tntgcccagg gccggcatag 120
ctcacagggtc agcaccacac gctccaggcg cagggtctgc acatacacct tgccgctggg 180
atacacgata cagcaggaga cgtctgt 207

<210> 482
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 482
ttggtatana agttttttat ttcaaaatgc aaaatggtgg tcattgtaat aattaataat 60
aataacataa aaagcattta tccttctctc ctagtgcata atggtagacg catttagata 120
attcacacag tggtggaaat gtcacgacaa tgcagtgtg cacagagaga tactcaatcc 180
caaactcctt tggtggatgc ttgtggtagg tcagttctag atgtcagcgg tttctctgaa 240
gttaagtcca aataaaaaaac agcacgtgct cctgcactct cccagcggag tcaggctcct 300
gtgcgcgcgc cccctctggt ctctcccttc cttctcggtc tgtctctgtc tactgcgnt 360
ccctccact ccgctggtct cccacagttc c 391

<210> 483
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 483
 ttttaaagg nnaaatgtga ctattttaat tattttggtg gcagggagtt ggttttacat 60
 cacccaaaaa aaaaaaaaaa gccctggttt caaattcatt ggtaataaat atgctaactt 120
 tctgaatcaa aatggagagc ctctcaagaa aaagagctat gcagtcagca atgacttaaa 180
 ttagtcagga tagcaggcat ctgggggttaa ggctgtttcc accatttttg tctcaccacc 240
 atatacngt gggaccacag ctgtgtagca cttgtttcng tcataagtnt agcagggtctc 300
 tgtagcactg tcttcatcac agatattgct ctggggtagc agtaactatc tgattatccc 360
 agctccactt ctgtagggnc acatttttta cagaggtcag acaaatgggt acacaaatct 420
 gggtccccaa tgggtnaggt ngggtccaga gntattctcc ccgtt 465

<210> 484

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 484
 ggtttaatta tgggaaaaag cactaaagtt aggtaaatga ttttgtttgt catgcttctc 60
 ttgacaggcc tgtgggggga gaatggaaac agagatgcc cttggcntgn agntagacac 120
 agcttgcaat gcacaggcag aggtctctggg tcagtgcagg aagcagagtc accgccagt 180
 ccttgggatg gggatcacag aaggtgacct gtggctgcat gagccactgt aggactctga 240
 cctcagtggg acaggatgac acaggcagct aggaattctg ggcaggggca ggtnggcatt 300
 a 301

<210> 485

<211> 211

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 485
 tttgtcaaga gccaaagacac aggtaatgca cgacattgat tgctgcattt taccttcaaa 60
 atatttgtcc ttattgactg ggtctcctta attaatgtac acatgtcatt agaatgcaga 120
 cggaggggac tcaccatgaa tatctggggt tgattcccag atgtgtgttg cttctctatt 180
 gcaagcagat tccttgtcc ggatttactt c 211

<210> 486

<211> 341

<212> DNA

<213> Homo sapiens

<400> 486
 tttttttttt accccagagt atttttatta gggattcctg ccaccatatt aacatataaa 60
 acaatctgga tgttgacata gaaatgcaaa ttctactata caaaggtaag gctccaatca 120



cagtaacatg gcccccatat ctctagtatt tcaatgaaat aaactcattg tgaattcacc 180
ccgagttgtg tttataaata ttagacaaac cacaaaatat attccaaata cataacattt 240
tacaatattt ttcaagcaca gacaaatata tactttactt tacctacatt gttttcatga 300
tccaacttgc attagcacta aaggcaatat tgtgtgtgta t 341

<210> 487

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 487
agctcatcag ctatcgttag tgtatTTTTat gtggcccaag aaaattcttc ttcaaattgtg 60
gcccagggaa gccaaaagtt tggacacctg tgatttacag gttatgccta gatctgaaac 120
agatccccat cctctctaaa gctcgcccaac tggttatggg cctgttttct cttagaaaca 180
ccacacacat catttgggaa aagcacactg agtagaaaca tggcctgaaa ggggtggggg 240
cggtggacct ggcttctgtt ggccagaggt cagcggacga tagaaatggg ctgatcggcc 300
acagcaaaga cttgggaaga ttgggccccg ggaaggacac attgattggg cacagagcac 360
tgtgccggac gngggc 376

<210> 488

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 488
ggtttagcaa aattgttata atttctttta aataaccac agacacccat cgacacttcc 60
aaatttacag agcaaaaaag tgatttgacg ctgggttctc caggggaattg gccccgaagc 120
tggtcagtt cacctccagg acctcagctt ccgggaggcc gaacttgggtc ttgtgcttgt 180
cgaagagctt caccagggcc tccatgtaca tgggtgtgga caggtcgatg tcttgctggg 240
ttgggtgctc cagcttgggg atggtgatgg gctctccac aacagtgggt gatgggcttg 300
gagtagggca ccagccccc aggtgtcgga ggaagaagag gcctcgacca tggaagatgc 360
atggggcgaa accaatgtat ttctnggaac ttcttctggg acccatcggc cccaggagcc 420
ctctcgaag atcacctgct ttgtacactt tcattctctc ccaaaggggg tagatgggaa 480
ccaggtcagc tcccatgacg cagggccccag ttttnaaaaa aagcc 525

<210> 489

<211> 470

<212> DNA

<213> Homo sapiens

<400> 489
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gctataaata taggcacatt ttttaaagt ccagatacat ccaaaaatta cccctcact 120

gtagcctact	ccaatccct	caagacggaa	tatctaacag	tgtttggaaa	acaggggtcca	180
gaaaggccct	gcccattaat	tttaaaactt	tctgaccatc	aagaccattc	tttccctgctt	240
caaccaagca	gagtcaacaa	ggatcatgtg	ttttcaggg	tttaattgca	ctagttgatg	300
aattaagtaa	atgcctctgc	ctgggtagtt	tgtaataggt	ttatgggttt	ggtttctcct	360
acttagttca	agtcagagaa	agaaaaacca	atatctatat	tcctattggc	cttctttaaa	420
tcctatgag	atggcttaaa	aggatgtcac	tgcaccagag	gactcacttg		470

<210> 490

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 490						
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cattggatta	gaagaatgac	acagggggca	gcaacactct	cgcacccag	cctccantcc	120
ctgacnctgn	gangcagggc	cgatcggtgg	gnannggnnn	ngtngttcca	tgagttcggn	180
tcagaancct	agncccggca	ttctggggcc	ctggctcttc	cagagtccac	attcaaggca	240
acctgagcac	aggcttgagg	gagagtggag	aaaggccagg	aaaggatgcc	cacactcttg	300
cctgccaggc	ccaggaccag	ctctctccta	cactnggacc	caatttcctt	ctggatcaca	360
gagctggtct	ggatcaagac	aatgtggaga	tctggtgtgg	aggctgtggc	aggtgangca	420
gccgggctcc	ctggttagac	ccccaggtc	tctttagcac	nagatgggca	ctttaccaac	480
aggtttgggt	aaaaatgtct	acngagagct	atgcacaacc	tgggtncctt	tctgggctcc	540
taaaagtcaa	ggg					553

<210> 491

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 491						
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ctcattcata	tcaggtgcag	aaagccagtc	ctgaaagcat	agactatccc	ttattctggc	180
tgttattaag	gaaaaaatte	atttaaaaaa	tacagtaaag	attgaaacca	agtttactgt	240
ttcttgaaca	gaataggaag	aaaatatattt	aaatggctga	gctggtcatt	agactattac	300
tcatttatct	taaaggcaga	aacttgtcaa	cccaactacg	tgaaacagag	aagcatgatt	360
tgcttaagca	ggcgacatta	gagttaggcc	tctccacngg	gagcttcccc	gaccgtcagc	420
acgtggcaga	cagggatgcg	gcccattcatt	ccgcagggaa	gaaccggccg	ggccgg	476

<210> 492

<211> 455

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 492
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ggtggaaacg cagttcagag cacgggcggc acacacggaa catctctact aagactcgca 120
ctccttttat gttagttcaa cgaaagctct aaatccttgg cagagaacgt caaaaacagc 180
ctcattttaag tggaaaatat ttgtcttcca ctcttctgct atgtcttgaa tcttgtctcc 240
acctggtaag caaactatgt ttttttctt tccctttact tacagaaaga acactatcac 300
ctgccttcat ttagaaggaa ttctcttcag tgcattcaaa gcttctcccc ngcaacagca 360
gggggatttt cagatagtg taacttgcaa agtgcttcca aaacatccca tcctctaccc 420
actttcccc ctcttgaat aaataactgg gngng 455

<210> 493
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 493
ttttttaaat aaatttttta ttacaatgac aggaagactc tggatacaaa cacatttgct 60
aatataatca ctccactggt tacctaggcc tagacgtaca aaaggacacc catatctcat 120
caggagaaag acaattttga gtttctgggt gtagtacc aaaggacacc catatctcat 180
cgtggtctat ccagtttaact gtgtggcaat ttgctatttc aagtcctctc ataacagaaa 240
ttactgaaat atgtggaaca ccagtcaata taaagaattc atttttaaac agactagtga 300
atgtgtgtca taaacacact tgcgtatgga tattaggaga gcattgcttg aatatctcta 360
aaactatttt taggaattaa aagctttcat agttaatggt atgatattgg ctttcagaat 420
tcatattgat aaaagcaaac cttagtcatt taacaggaat gtttaaattt tagagattct 480
aacatgcat gccgaaaaat cctaacattt ccacttagta atgtcagggt tgtgccagtt 540
ctaatttccc atagctagta acatcagaaa atatntatca 580

<210> 494
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 494
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tgagccccag cctagcccca ccatgggntc atnaggaggg gaggcgcagc ggggccccct 120

gctgaccctc tctctggggg tcttcctatg gcggggccta ttgcttgagt gggggaggag 180
ccatgcaaat gaggggggca gagaagacgg tgacacagcg gctccgtga gccacctcgt 240
agccctcgnc cttgacttcg tggctncgga tgatatagtc caggttgttc tcttccaaga 300
aggccttggt gacgtcaggc ccaaactgac agctcacgcc cgnttgctga ttcgagccgc 360
cgttctgttg gctgtggatc tgancaagaa caaggtcaca catggggccc tgaatcttgg 420
gggttttcga ttccgctcaa attttcgga tgtcattcan ggtganaccg gtt 473

<210> 495

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 495
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aancctgctg tgtgccaaagc ctttcccaa aggaggatat cagtgnnnna gnaagtctca 120
gggtggaaag gacctggacc acacagagca ggactccaga gctcctcca tatggcagga 180
atcaagcttt cacaggggaa acgcaggatt tcccacacat gcccatgcaa cacttcaagt 240
cacgcttgca ctggccatcc atctcacaga aattgggggg gttnagcatc naacattggc 300
canaantcac tnggnacttn ccaagggttn cnccttggtg ggnttngggg ggttnacagg 360
ggncccggca ntnatgcnc caagtttcng ggcaaanatt tcttttttcc c 411

<210> 496

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 496
gaagttataa aagcttgttt ttctttatta gaatactttt ttcaattctg atttgtcaca 60
atttagattc tttttctaag aataagcaga aatttacaaa atttaatttt tatttataca 120
ttcatccgtt caatacacat ttcaagaaag ctgtattgna ccccttnnag tnggtaagtt 180
ccagggccaa agaaccaaaa taaatccaag gagagagacc aacaaatgta tatttataac 240
acagagtaat aaaacacaaa taaatgtgga gttatttaag catgtaagat ggtacatgct 300
ctaccaaggt atgggggctt ctctaagaca caagatcaga ttaaagtctt gaa 353

<210> 497

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 497
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 gactctgctc actggtcgat gatggagcgc tgcaacacct gattcatcat gtcctcttca 120
 tcaacatcat aatccacaaa agtctcannn ngaaaaccgg tgccggcgct ggatgtgctc 180
 tctgaagttg gcgctgcggn agttgggggt ctcccaaggg catcgcgga catatnggac 240
 aanccacagn ttt 253

<210> 498
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 498
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 cttgtaatca aacttgtagt aggtgtgcag gatgcgcana ggntagatgc ggcagacctc 120
 ctcggtagt cctttctcct ccaggtagcg ctgcacacgc tcgatgatgg cacacacctg 180
 ggctcatcc ttcaagtgt ccacgtactc ttgggagtga gggtcangta ttntgcatta 240
 ttttggtaaa ttcttcatcc attcgttcca ccagagttag gatgcagcca cggacacgca 300
 nggcttggtc agcgttngtt gcaggttctc antctcttcc agaattattct gctccaacaa 360
 aaatgtttgn ggatttgga aacagggata nccatcagct cattggatgc ag 412

<210> 499
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 499
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 cctccctga aacatgccat cctctctgcc ctccagntcn agcacaggga taagaacccc 120
 actccgcatg tccccagagg cagcactcca nnnnggtngg ggggagggga ggggtgctct 180
 acgccaggct ggggagctgg gacaggaggg aagacgtgca ccctcacctc ttggctcaat 240
 ccctctcccc gggacctggt gctgccccca gtccctgggg tngctggna nanngggctc 300
 atgcaacaat tgagtagaca ggaggtggca cggaaacgtg gccttggtgc cccttggcgg 360
 gggcgggagg actaaagggg ccattgctgtg gccacagcgg gtccaaatgg aagtatctgc 420
 agtgtacata caggagggtt ggagat 446

<210> 500
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 500

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gatccaacca	gtggacctct	tgaagcacta	ccaggcctta	aggcaccatc	cgaggggagac	120
tgggaaaact	attattcacc	caagcctccg	gaaatgtaat	gtaccagcag	gcaaaaaaca	180
gttcttcatg	tagtacaaaa	tgaaacgaaa	caaaaacaaa	aacagaaagt	aaaaatgaaa	240
cctaaacatt	tcttaaattc	tagtgccata	gcttttttgt	ttgtttggtt	tttgttgttg	300
ttttgttttg	ttcataagaa	agagagaaa	atactactta	tccgtcagac	acatgcatcc	360
tcatgtggtc	gttgaactgc	tccgatttgg	tcaa			394

<210> 501

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 501	tttttttttt	ttaaaagact	aatgtaactt	cttttaattg	tcatttttatg	60
ctttctgcag	ctgcccgcc	ccctcccttc	ccttgatga	ccacttttgt	aggctatagg	120
ggaccaggga	acaaaggctg	tttgnnnnnn	ggnggggaca	nannancccc	aatcanntgn	180
nnnanannaa	gctanaatta	caaattnnann	acaanaanta	atgctgannn	ctgggagagc	240
tgcanagnng	ggaggcccg	tcctctttgt	cagggcttat	ttggcagtga	ccttgctctg	300
aaggcgatgg	tactccttca	gctgacctng	gccaccccg	atngaa		346

<210> 502

<211> 234

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 502	gtgatttatt	tgcaatgggc	acagtgatgc	aaaaacaaga	tattaagact	ataaaaatatg	60
tgactacaaa	gaaccagcga	aataaataca	tagatattag	atagtccaat	aacttaagg		120
ncccggtcaa	cgatncgagg	gacccgcgcn	cacnggaagt	tcttcttgct	gcagggcttg		180
gagagcgccg	gccacgtcct	agcctcggtc	cgactcgctc	agcgtatggc	ccgc		234

<210> 503

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 503	tttgcaatcc	tcaaaccgtt	tattgacagc	acaaggctca	acagcaggtg	agcacgtgag	60
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ggtgngaagc	gcttnaggc	agtgtgggca	ccaggcaggg	gatccccgag	aaagccctct	120
gccagggaca	tggtgagggc	gtggcatcac	cacgaagga	gcataaataa	caactggcagg	180
tgggtgggca	gcaggagagg	gagagcggac	annacacggg	gacacgcagg	gtcggcgga	240
aaatgctggg	acaggggtcac	acggggattc	ggacacgcag	acacagaagg	gatcatggga	300
cgccagagg	atgccagagg	gggcagacac	accagagact	cggggatggg	catggtgctc	360
tgcccggtg	ggccctcct	ccaatactcg	ccctgggctt	tgcaggcagg	actgggcggc	420
tgagcactct	cccagcagag	ccaagcaggg	g			451

<210> 504

<211> 437

<212> DNA

<213> Homo sapiens

<400> 504						
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aagtcctgat	gacatgtggc	caagatgggt	ggggcatacc	ttggttttat	acattttagg	120
gagacataag	acattaatca	atatatgtaa	gaagaacatt	ggttcagtgg	ggagggagct	180
tccagggtcac	agataggtga	gacacaaaca	gttgcatctt	tttgagtttc	tgattagcct	240
ttccaaagga	ggcaatcaga	tatgtatcta	tctcagttag	cagagagata	actttgaata	300
gagtgaggag	tggttttgcc	ctaagaagtt	tccctaagct	tgagttttcc	ttagtgtatt	360
tggggcccca	agatattttc	ctgtcacagt	tgacatcccc	aacacagtgt	ttagggctca	420
gaaaaagata	ccctaaa					437

<210> 505

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 505						
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gctattttaa	taagnngggg	gtgggaatga	atgtcgagat	acgagcacct	gcatctttta	120
gtcaattgtc	agtggagtcg	gtggggtgct	aagtgttctg	aactgaagta	ggtgcactaa	180
ggttccaagc	tccctgcaag	gatctggacg	ggaggaaagc	agaggccctg	aagggaaaaa	240
agcctgcttc	ccaatactta	ttttttatta	ctgtacaaaa	agcacactct	ccctcttttt	300
gtctctccca	ccaacggcac	ccccccaccc	ccaacccaag	aggactatac	atggagtgca	360
gggacagagt	tgaccaggag	gcctttgtcc	ggcacccctgc	ccacaggctg	agctcagccc	420
caggcccttt	caggcatcta	gacactccca	tagcctggtc	angctggggc	aagggagatn	480
ccaggtcaca	catacttccc	tggaagagtt	ggacttaggg	gtaagagccg	ggtgcacggt	540
anccagnctt	gctctcattc	ccang				565

<210> 506

<211> 440

<212> DNA

<213> Homo sapiens

<400> 506

agttataatt	acttttattaa	cctttttggtc	tttcaacatt	tagatagtct	ttcttaatat	60
ttccaggaga	gtacctcatt	tttattttga	aaaccattca	gcacatttat	cttatgtaac	120
atgcagagat	attatctatc	tgtattttta	aaattttcct	gttactcatt	gatacatagt	180
acttaattac	atgttattcc	atgtacactg	aaaacaatat	aggaaatata	tacatctaag	240
acttctactt	tgtacagtct	ttcattaaat	aagaatactt	acacatacat	tttcagatat	300
ttctaccttc	ctgtatgtgt	ttggaattgt	atgtaggtag	ccactgaaag	aatttgggcc	360
ccttgggagg	atggcagtgg	aagtccatga	agtaaagagc	attcttttaa	aagcagattt	420
gattgcatac	cttttagtta					440

<210> 507

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 507	tttttttttt	tcntcccttg	nacnataaat	ttttattggc	aggtcaggan	aagagcnggg	60
ggtaaggggc	ccttccttnc	catccctcta	cncanaagac	accctccana	gganagnaga		120
agccccagag	cctgctgcct	cagaggacct	tggaggcaga	caaattgttg	tagtgatctt		180
cctgtccctc	gagcaggctg	cggttagggtg	gcaatctcct	gctccagccg	cgacttgatg		240
tccatgagcc	gctggtagtc	ctgattctgc	cgctcactat	cagctcgcac	atcgcccagc		300
tgggttcaat	accgctgata	agcgcttggg	tatgcgccag	tgggctccaa	agcgcgcttc		360
cgtttctgcc	agtgtgtctt	ccaaggcagc	tttcatgctc	agctgntgac	tgcagctcaa		420
tctcaag							427

<210> 508

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 508	tttgacaggc	tccagcgtgc	tgccatgtga	tagaagaatg	atttattaga	acaaattcca	60
tgacaaatca	tataaaataa	ccattttccg	aaagacagcc	acaagaccac	ctgagaacga		120
atgtacagtg	aaccctccga	gaagcccggc	aaacaaggac	cagttcccag	gcaaaggctg		180
gangggggagg	aacaaaggag	ctcagtgtgg	ggaggagcag	gaacttgtga	acttaaaaca		240
ttgcacagcc	actgccgagg	ggtagggaag	agccgtggat	gaagccgtga	ccacttcatg		300
tccaggggca	ggcgggggtg	gggcaactgg	gncattgcag	gggggtgggca	gcaagccggt		360
tggaccgggt	aagccacctc	ctccattaca	gacaggcagg	ctcttggggc	cggggaccag		420
gggggggntc	acctgncaac	ccgggcccc	ct				452

<210> 509

<211> 291

<212> DNA

<213> Homo sapiens

<400> 509
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tcacctgagg tcaggagttc gagaccagcc tggccaacat ggtgaaaccc cgtctctact 120
aaaaatacaa aaattagccg ggcgtgggtg cgggcgcctg taatcccagc tactcgggag 180
gctgaggcag gagaatcgct tgaacccggg aggcggaggt tgcagtgagc cgagatcgcg 240
ccactgcact ccagcctggg caacaagagc gaaactccgt ctcaaaaaa a 291

<210> 510

<211> 404

<212> DNA

<213> Homo sapiens

<400> 510
agttctccag gaatctaata tgggtgcttt ttaagaagag agccaccggt ctacagctaata 60
aatacaattt tcacaaataa atccaaaatt taaggtagga ttaaaaagga gtaaaccaat 120
acataaaaaa tgaaattgag aactgattta atactaaagt tctgaataaa ggtgtgcact 180
ttatgattga ttctatcttt ttgcacaagt tggatactcc agtttcccat cccaacatgt 240
tgttcgcaat gtgtgagaac gtgatgaaag acgatatccc cgtttacaca caaattcaac 300
tgattcacct gttctcgaat aaagcttctg tttggctgtc caccttaatg ctatgttata 360
attttccata atttctcggg atattacaca cggatgtaag catt 404

<210> 511

<211> 425

<212> DNA

<213> Homo sapiens

<400> 511
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gaggagaagt tgatctcctt cccacatcca cgggaggctg cgtgaggga gcttggtcc 120
ccacaacttg ctcttcttcc agccctgcc ctctcaatta aaacaatgct ttcttttttc 180
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tcttggtca ctgcaagctc cgctcctgg gttcacacca ttctccagcc tcagcctccc 300
aagctgctgg gactacaggc gccaccacc acgccaagct aattttttgt atttttttag 360
tagagacagg gtttactgt gttagccagg atgggtctca tctcccaacc ttgtgatcca 420
cccac 425

<210> 512

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 512
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actaaagagg agagaacggg gggctctggga ctgtcagaca gggccagatt cctcagagga 120
ggcagaagac acagagtagt aaggcacggc cgccttgcc ccacagggcg ggcactggac 180



ggagcgggcg ctgaatgggg cggctgaagg agtcggagca ggtgcagaca acacttagga 240
cgtttngcag taggctcagg aggaggagcg ttctagggcc cccatgccaa ngtcaggnc 300
tggcacaagc ctgagtcag tcctccca 328

<210> 513
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 513
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gctaagggca ggtcagtcga gtgtgtgggc cgcgggggct acaggcatag cagnaggagg 120
gggagtnanc tccccccag ggnccacccc nagcccagtc caggggtngg agggaggggg 180
tgacccctgt cgaggctctc aggcattctt ggctga 216

<210> 514
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 514
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ctnctatncc tctataaata tagatgattt tgtgatagng ancagaataa atgtatacca 120
aattcaaaga ccaatatcat tttagcgtat gacagacata gataaattta ggnccctaagt 180
accggcattt tgataaatcc ttaaagttta aaacantaca atcaggagga ttgcttttct 240
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ggacacattt ctgtaaatcc aaaag 325

<210> 515
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 515
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ggcctcccat gcgccacct cgcaccac actggggcgc gagcagggcg gtcggctgca 120
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<210> 516

<211> 269
 <212> DNA
 <213> Homo sapiens

<400> 516
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 gtacgtgccca agcattcctcg tgcaaccgga gagcccgagg aggggctctg cggcgcgtcg 120
 actcatttac ccggggacag gagaggctct tctcgtgtag tggttgtgca gaccttatgc 180
 atcacgggca tgagaagacg ttccctgct gccacctgct cttgtccacg gtgagcttgc 240
 tatagaggaa gaaggagccg tcggagtcc 269

<210> 517
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 517
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 ctcaagcagt tagaatagga tttttgaaca taattaagca caataaaata ggtaaaataa 120
 aatacagtat tttccttgaa tttttatgtt aagtatacat atgtatatgt gtgtgtgtat 180
 atatatatat ttgtgtattt gtgtgtgtgt ttcttctttt tagagccagg gtctcacttt 240
 ctgggtccagg gtaggagacc acgcagcatg atcacggcta ccttgttcca gggtaggagg 300
 tccagtagca taatcacagc tcaactgcagc cttgacttgc tgggcttgag caatcctccc 360
 aggagatcaa ggctgcagta agccataatc atgcaactgt actccagcct gggcaacagg 420
 gcaagaccct gtctcaaaaa aataagaaca ggccaggcac agtggcattt gaaatgaaag 480
 ataatcagca aaac 494

<210> 518
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 518
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 ggcaagntgt ctgctctttg ggggacgcgc ggccggggga cgcgtcctgt gtccggccccg 180
 gggctcccag cgggctccgg cggcagggac aatggcaagg ccgctcacca cttgaggaag 240
 accatcccgg ccaggacggt gtagcccagc accaggaaga ggaccttgag cagacggtca 300
 ctcttctcct ccagctcctt ggccaggatc tccaggaagg tgatgaagag gaagg 355

<210> 519
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 519
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gctggatgct	gggcagagca	caggggtaaa	cacccacga	gaggatgcct	tggagggctct	120
cgtcacagac	cagggggcct	ccagagtcac	tctggcaagg	gtcctggccc	cggtccagtc	180
cagcacatat	catgttggtg	gtgaccacgc	cagggtagaa	gacctcacac	tctttagggc	240
tcaggatagt	gatgctggag	caggtcaggc	ccttgtggaa	ctt		283

<210> 520

<211> 409

<212> DNA

<213> Homo sapiens

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cactttggga	ggctgaggtg	ggcggattgc	ttgatctcag	gagtttgaga	ccagcctgag	180
caacacagcg	agacctggtc	tcaaaattat	tatacaatca	atgcaagtac	aaagattcaa	240
tttttaaaaa	tcaccagagt	acaaagacgg	ccacagcccc	tgcccgggtt	taacttacat	300
atatacagag	tgggcggggc	aggcatggcc	acagaggtgg	tattacaaaa	tatacaaagt	360
ggttttctttc	tttacatttc	atagaagaag	cctgcctcat	ttccaaatg		409

<210> 521

<211> 545

<212> DNA

<213> Homo sapiens

<400> 521	tccttgacag	tgtaaact	gacattgtac	tccaggccgg	gactcaggtt	atcaaaagtg	60
caggagctct	gatcagcatg	gaccacttct	tccaaagaat	ttccctgctg	gccgtttgta		120
ggggtttgtg	taattctata	accagtaatg	tctgggtggg	tgctcctctc	ccaggagact		180
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gtcaccactt	tgtttacaat	tggcgcctct	cttctctgtc	catctctcag	gacttggatg		300
gtgtagacgt	attctactcc	tggagtcagg	ccggacacaa	cgatgcttcc	tgagtctgaa		360
gtcacttctc	gtggtgcctc	tcctccctgg	cttggtcgta	caccagctt	aaaaccaatt		420
cttgagcag	gcgtccatgt	gatcacaatg	gtggtctcag	tcacctcggg	gttgtaagggt		480
ggaatagagc	tcccaggctg	cagtgtggta	gagactccag	tggctttggg	gctctcttgg		540
ttgcc							545

<210> 522

<211> 376

<212> DNA

<213> Homo sapiens

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gccccagcct	ccagagcagc	tgggaccaca	gacacacacc	accacacccc	gccaatcttt		180
gcaattccag	tagagaccag	gcttcacat	attggtcagg	ccggtccgga	actcccagcc		240
tcaggggacc	caccgcctct	ggcctcccaa	agtactggga	ttacaggagt	gaaccaccac		300
acccggctct	gcctttcttt	gaccctccc	agactggacc	atcttgctac	tctctccagt		360
cgttttcacc	ttgatt						376

<210> 523

<211> 315
 <212> DNA
 <213> Homo sapiens

<400> 523
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 ctcaactgcaa cctccgcctc ccgggttcaa gcgattctcc tgccctcagcc tccaagtag 120
 ctgggattac aggcattgtgc caccatgccc agctaatttt tgtattttta gtagaggtag 180
 gggtttcagca tgttgccag gctgggtcttg aactcctgac cttgtcatcc tcccaccttg 240
 gcctcccaaa gtgctgggat tacaggcgtg acgaccacgg ccggctgtta tgctcatcat 300
 ggcacttaag agatg 315

<210> 524
 <211> 449
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 524
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 gangcaagta aggnccaggg cagantcggc ttcaatggaa caacagccca gtgccctaag 180
 gcccctaact cttgctggct gtttcttgac cccaagccag ggttgggagt cctctgggca 240
 tccatttttn ctaaagganc tggacagagt acacacagga aaggaagctt tcacctctt 300
 gccatctggc tccaggggccc tccagtccag cattcctcct tcttcccttn attgggtggg 360
 gccacatgat gggcagccag gctctgggct gtccccaacta gagcaggctg caaacacagc 420
 catttttcag tgaggcttga tcttcttna 449

<210> 525
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 525
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 gagagaggca caagtcacag tcaggcaagg gaggctcagc ttctctgggc gtggctnttg 180
 gggtccttcc agtnttcacc tgggaccctc ggccagggtg ggacanattc cagggaggcg 240
 aggttgcatg gtccagcggg ggggtgcagg ggcaacaggc tcggcggggt ttgcagggtc 300
 caaaaggagn tttcgggttg gg 322

<210> 526
 <211> 281

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 526
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tccacctcgg ccatgacaac agacacattg acatgggtgg gtttaccgcg caagcgtcga 120
atggtnttct gtgtgaaggc cagcgnaggg cctcgtggca nccatgcagg agaaggtntc 180
ccccttnttc cagtcctcgg ntgccacgcg cagtatgntg gtcacaggaa ggtgggtggg 240
tgccctggct gggnttcctg ccgggatgcc caagttcagg t 281

<210> 527
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 527
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ngcgtgacgt ctacatcgg agttggetca gacctggct gtgcatccat cagaaagtgc 120
aaggcccagg ccatgagctg gggaggaagc ctggnaagaa accaccgctg caggtcaatg 180
gagcctggga ctagtgacca agagttgggg cagaccagg gactcacct gacagcttgg 240
acccgagcac agagggacgt gcagggtggc tcatactcat actgggaagg cagaaccatc 300
acgatgcctc tttggggggt tcctgaaagg ggtatgggtn tctgggggaa gagctaacia 360
ggaccccaac cccatccaag gctacccatg ctccctncca gg 402

<210> 528
<211> 441
<212> DNA
<213> Homo sapiens

<400> 528
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tagcagctag atggaaagtc cgcagtgaag tcaaaactcat tctgccccag ccacagctcc 120
ggaagctcat tggctcggtc caacccagct tccaccacca gcgacatcag cacttcctca 180
tccactgggt ccgaatcgat gatagcaggg ctctgggcac cagcagaagg agagagtgat 240
tctgcccctc ccgctgggc cccaaagtcc cagttttgca ggggtcctgc ctccccgggt 300
tggectggag tggcagcagc atccccctgat actggctatt aagtttctgc agctgcatac 360
tagccagcaa gtgaggggcg ggggtgcagg tgaaggattg ggggtttagt gggaggggtg 420
gttgtaggag agctatttgg a 441

<210> 529
<211> 383
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 529
cacaggaaca attcttttat tgtacattgg agaaatagcc ctgtgtgctg gttcaagggtg 60
caacatacag aatattgaat taagaaaaga gggaacgggg aagggaangg aaacctcttt 120
gaggtccaaa gttgncaaca aaaaatggta aaagatttcc tcacgcaaga nggcattttt 180
gcaaatacca tgcaaaacag gcagctgggtg tgccttaaga gaatccctat aaataacaga 240
aaagacactc caagcattcc tgtacgtgga ctacagagcac agagaaaaga aactaaaatg 300
ccttttggat ttcaagatat ttggcactct tgtgattaca tttttttaca gtccattaaa 360
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<210> 530

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 530
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aggctgagct gacgccgcag aggtcgtgtc acgtcccacg accttgacgc cgtcggggac 180
agccggaaca nagcccggtg aaggcgggag gtcgaagat cccctcggga agggcggccc 240
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ggactgcagg ggccggggac aggtcgggtgt tcgaatcttc ccagctctgg ttggcccgca 360
acctgggtta agcaggtcct cgtagcgttt ccgcaactct ccggaatctg gagtcttccg 420
gtgtgcaact ctgaatggtc ccgggaaact tgcgcggctc gcacgcgnta aagacagggt 480
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<210> 531

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 531
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caacttttagg tgttctgagc atgtttaagg taggctaggc taagccatga tgtttagtag 120
gttaggggta ttaagtgcac tttcaaatta ccatattttc aacttacaat agtttcaacg 180
ggaggtaac ccacgtaag tggaggaaca tctagtgcct ggcacacgag ccggttctca 240
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cacttttctaa gattatTTTT gcttgctggt gggtttactg tcatttttaa ccacatctaa 360
cctaccttaa aaaagtgtat ggatgggggt gccaggtaca aagacttagc ataangaaaa 420
cgaccattta ctttg 435

<210> 532
<211> 366
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

<400> 532
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taagggactt tctctctgct cattaagagc aacgatgctg accacatact ctgtgcctgg 180
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cccactgaag tgctcgggat gatggcggat cctgtagcca gtgatgggtgg ctcgaggagc 300
aatccagtgc acagtaaaag agttggcagt aatatccaga aaagtcaata cccatttggg 360
gantca 366

<210> 533
<211> 362
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

<400> 533
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gg 362

<210> 534
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 534
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actgaatata ctgaattaac tattcaaccc tttcatccat tcagcaaatt taaaactctt 120
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catctccagt ttgtcatatc tttcccgatt actgggattt atccacagan ttaggctgag 240
gaaacataac catccggggg aggcantcga tcagggggct accaggctag ctcgggtcac 300
ggatgttttc ggaggggttg gctggtctgg cctgtggggg attaaggccc acctttcagg 360
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<210> 535

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 535
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caatagntgg ttccgctgcc tgaagctctg agntgtattc cagggcatga gggaagcagg 180
ccaccaaagt aaaggggaat accaaactac agtggcaatc aatacagggc aataattgtg 240
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<210> 536

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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<210> 537

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

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<210> 538
<211> 375
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

<400> 538
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tgaaagtctc gggcgtgann ggttacctgc ttttgccgnt tctgggtttt gcagacatcc 180
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caaaggggaa cgaggggtga ccacctntga ggatgtccct tgantttgtc atagcctggg 360
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<211> 420
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

<400> 539
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ctntttcccg aaccttatgc ctctgctggg tcttttcagg tgcttccact tatggatgtt 360
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<210> 540
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<212> DNA
<213> Homo sapiens

<400> 540
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 aagtctgtta tttattatta atttattggg gtgaccttct tggggactcg ggggctggtc 1140
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<210> 541
<211> 760
<212> DNA
<213> Homo sapiens

<400> 541
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<212> DNA

<213> Homo sapiens

<220>

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<211> 1488

<212> DNA

<213> Homo sapiens

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<211> 1517

<212> DNA

<213> Homo sapiens

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<211> 1493

<212> DNA

<213> Homo sapiens

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<211> 3344

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 10476

<212> DNA

<213> Homo sapiens

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<210> 558

<211> 927

<212> DNA

<213> Homo sapiens

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<210> 559

<211> 1594

<212> DNA

<213> Homo sapiens

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<210> 560

<211> 233

<212> DNA

<213> Homo sapiens

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gtgacttttc	tcttgagttg	gcacatctaa	atgaacaatt	cacaaatgtc	attaaaaggt	180
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<210> 561

<211> 577

<212> DNA

<213> Homo sapiens

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<210> 562

<211> 853

<212> DNA

<213> Homo sapiens

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<210> 563

<211> 1915

<212> DNA

<213> Homo sapiens

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<210> 564

<211> 8448

<212> DNA

<213> Homo sapiens

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<211> 607

<212> DNA

<213> Homo sapiens

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<211> 4244

<212> DNA

<213> Homo sapiens

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<211> 3151

<212> DNA

<213> Homo sapiens

<400> 567

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<211> 1130

<212> DNA

<213> Homo sapiens

<400> 568

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<211> 481

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<211> 1799

<212> DNA

<213> Homo sapiens

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<211> 2259

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<211> 756

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<213> Homo sapiens

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